ENGINEERED PERFORMANCE STANDARDS

BOOK NUMBER - 11

ROADS & GROUNDS

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BITUMINOUS PAVEMENT : Smaller Repairs, hand tamp & roller
(Seal, Remove, Install)

BITUMINOUS PAVEMENT: Seal, Remove, Install.
Break up with pneumatic hammer unless otherwise noted.
Debris loaded into truck w/shovel unless otherwise noted.
Patch area thickness varies with degree of deterioration.
Average base is 3" thick.
Tools: shovel, pick, pneumatic hammer, rake, broom, tamper and bucker.
Equipment: 3-ton gas driven roller and an air compressor.

TASK TIME STANDARDS LISTING

WT 001	CRACKS-seal w/hot Liquid Asphalt w/hand dispenser-inclds	(Repair/Seal)	tend kettle
WT 002	to3"thk.PAVEMENT ONLY		hrs.per sq.yd.
		(Remove)	
WT 054	to3"thk.PAVEMENT plus to3"thk.BASE MATERIAL		hrs.per sq.yd.
		(Remove)	
WT 055	PAVEMENT ONLY machine roll, shovel,rake,hot mix-		hrs.
		(Install)per in.thk& sq.yds	
WT 052	PAVEMENT ONLY hand tamp , shovel,rake,hot mix-		hrs.
		(Install)per in.thk& sq.yds	
WT 056	PAVEMENT&BASE machine roll, shovel,rake,hot mix-		hrs.
		(Install)per in.thk& sq.yds	
WT 057	PAVEMENT&BASE hand tamp shovel base, rake hot mix		hrs
		(Install)per in.thk& sq.yds	

WT 001 Seal cracks with hot liquid asphalt using hand dispenser.
Per 100 Linear Feet.
(INCLUDES HEATING AND FEEDING ASPHALT KETTLE)

000.02184 hours per JOB SETUP TIME

000.00109 hours per linear feet of cracks to seal

WT 002 Break up and Remove up to 3" thick pavement w/pneumatic hammer.
Loosen and load bituminous debris on truck with shovel.
Per Square Yard.

000.12735 hours per square yards of asphalt to be removed

WT 054 Trim area & break up pavement w/pneumatic hammer, load debris on truck w/front end loader, remove existing base to depth of 3".
Per Square Yards of pavement.

000.04360 hours per JOB SETUP TIME

000.39225 hours per square yards of pavement to be removed

WT 055 Sweep & tack coat area, spread and rake bituminous mix by hand, machine roll area.
Per Inches Thick & Square Yards of pavement.

000.04638 hours per JOB SETUP TIME

000.01406 hours per square yards of pavement to be installed

000.02000 hours per inches thick of pavement to be installed

WT 052 Spread hot mix with shovel, rake smooth and hand tamp.

000.02184 hours per JOB SETUP TIME

000.22160 hours per square yards of asphalt to spread

WT 056 Shovel, rake and machine roll base material, sweep & tack coat area, shovel, rake and machine roll bituminous mix.
Per Inch Thick and Square Yards of pavement.

000.08730 hours per JOB SETUP TIME

000.27907 hours per square yards of pavement to be installed

000.02000 hours per inches thick of pavement to be installed

WT 057 Shovel, rake and hand tamp base material, sweep and tack coat, shovel, rake and hand tamp bituminous pavement.
Per Inches Thick and Square Yards of pavement.

000.03276 hours per JOB SETUP TIME

000.20275 hours per square yards of pavement to be installed

000.02000 hours per inches thick of pavement to be installed

BITUMINOUS PAVEMENT: Remove & Install

Break up w/pneumatic hammer, load debris on truck w/shovel, sweep area, tack coat area, shovel hot mix, rake smooth & either machine roll or hand tamp.

Average base is 3" thick.

Tools: shovel, pick, pneumatic hammer, rake, broom, tamper and bucket.

Equipment: 3-ton gas driven roller, scarifier, grader, front-end loader and an air compressor.

TASK TIME STANDARDS LISTING

WT 059	PAVEMENT ONLY- machine roll	hot mix (Replace)	hrs.per in.thk&	sq.yds.
WT 061	PAVEMENT ONLY- hand tamp	hot mix (Replace)	hrs.per in.thk&	sq.yds.
WT 060	PAVEMENT ONLY- w/scarifier&grader,load w/frontendloader,roll-	(Replace)	hrs per in.thk&sq.yds	
WT 063	PAVEMENT& BASE- machine roll base &	hot mix (Replace)	hrs.per in.thk&	sq.yds
WT 064	PAVEMENT& BASE- hand tamp	base & hot mix (Replace)	hrs.per in.thk&	sq.yds
WT 062	PAVEMENT& BASE- machine roll/heavy equip.used	(Replace)	hrs.per in.thk&	sq.yds

WT 059 Trim area of box and break up pavement with pneumatic hammer, remove broken pieces and load on truck w/shovel, sweep area, apply tack coat, spread hot mix by hand and machine roll. (Base Material Not Included)

000.06196 hours per JOB SETUP TIME

000.13678 hours per square yards of asphalt to replace

000.02000 hours per inches thick of asphalt to be installed

WT 061 Remove pavement pneumatic hammer, loosen and load on truck with shovel, sweep area, apply tack coat, spread hot mix by hand and hand tamp. (BASE NOT INCLUDED)

000.03196 hours per JOB SETUP TIME

000.15353 hours per square yards of asphalt to replace

000.02000 hours per inches thick of asphalt to be installed

WT 060 Trim area of box and break up pavement using scarifier & grader, load debris on truck with front-end loader, sweep area, apply tack coat, spread hot mix with shovel and machine roll. (BASE NOT INCLUDED)

000.11045 hours per JOB SETUP TIME

000.12964 hours per square yards of asphalt to replace

000.02000 hours per inches thick of asphalt to be installed

WT 063 Remove pavement and base material with pneumatic hammer, place new base material, machine roll, sweep area, apply tack coat, spread hot mix with shovel, machine roll hot mix.

000.10834 hours per JOB SETUP TIME

000.68755 hours per square yards of asphalt to replace

000.02000 hours per inches thick of asphalt to be installed

WT 064 Remove old pavement and base, load on truck with shovel, place new base material, hand tamp, sweep area, apply tack coat, spread hot mix with shovel and hand tamp.

000.05380 hours per JOB SETUP TIME

000.50053 hours per square yards of asphalt to replace

000.02000 hours per inches thick of asphalt to be installed

WT 062 Break up pavement with pneumatic hammer, load debris on truck with front-end loader, sweep area, place new base, machine roll apply tack coat, spread hot mix with shovel and machine roll.

000.13090 hours per JOB SETUP TIME

000.67131 hours per square yards of asphalt to replace

000.02000 hours per inches thick of asphalt to be installed

BITUMINOUS PAVEMENT- Potholes: Temporary & Permanent Repairs
Preparation: Trim edges, sweep and tack coat area.
Repair: Spread mix, rake, sweep, roll or hand tamp mix.
Temporary repairs do not include time to prepare the hole.
Hand tamp temporary and Roll permanent repairs.
Tools: shovel, pick, pneumatic hammer, rake, broom, tamper and bucket.
Equipment: hand roller or vibratory plate compactor.

TASK TIME STANDARDS LISTING

WT 050	AIRFIELD- POTHOLE w/resin mix	inclds.clean area,mix,trowel (resin-Repair)	Avg.hole=13"x5"x2" Patch	
WT 051	ROAD - POTHOLE w/asphalt	(temp.-Repair)	Avg.hole= 9"x9"x2" Temporary repair	
WT 065	ROAD - POTHOLE w/asphalt	(temp.-Repair)	Avg.hole= 9"x9"x2" Permanent repair	
WT 058	ROAD any- POTHOLE w/asphalt 4"thk.&tamp	(perm.-Repair)		
WT 052	HAND TAMP -	4" thick bituminous by hand 2 men	per sq.yd.	
WT 066	HAMD TAMP -	spread by hand and hand tamp	per cu yd & sq yd	
WT 053	MACHINE ROLL-	bituminous 1 man	per sq.yd.	

WT 050 Remove old epoxy w crowbar, clean out crack with compressor, mix compound in 5 gallon bucket using power drill & attachment, pou mixture, trowel and clean up area.

000.34775 hours per potholes to patch

WT 051 Dump asphalt from front end loader, break chuncks & spread, rake, sweep and hand tamp.

000.22501 hours per potholes to patch

WT 065 Shovel mix from truck/wheelbarrow, spread & rake mix, sweep area around hole and hand tamp. Average pothole = 9" x 9" x 2"

000.03757 hours per potholes to patch

WT 058 REPAIR POTHOLE - PERMANENT. Includes: trim area, rake base, apply tack coat, spread and rake bituminous mix, sweep, and machine roll patch.

000.01697 hours per JOB SETUP TIME

000.10232 hours per potholes

WT 052 Spread hot mix with shovel, rake smooth and hand tamp.

000.02184 hours per JOB SETUP TIME

000.22160 hours per square yards of asphalt to spread

WT 066 Spread hot mix with shovel, rake smooth and hand tamp. Per Inch thick & Square Yards of Pavement.

000.01092 hours per JOB SETUP TIME

000.03080 hours per square yards of asphalt to spread

000.02000 hours per inches thick of asphalt to be installed

WT 053 Machine roll bituminous. 1 man.

000.03000 hours per JOB SETUP TIME

000.00070 hours per square yards of bituminous to roll

CONCRETE: Remove and Install NON-REINFORCED and REINFORCED concrete. Break up concrete using PNEUMATIC HAMMER and load debris on truck by hand. Place new concrete, wood float, edge, cut control joints and cover surface for curing process.

NO TIME IS ALLOWED TO CUT OR BURN OUT REINFORCING RODS; LOAD WHEELBARROW WITH DEBRIS AND MOVE TO TRUCK; PLACING NEW REINFORCING RODS IN POUR AREA.

TASK TIME STANDARDS LISTING

WT 013	4" thick	non-reinforced	REPLACE
WT 015	6" thick	non-reinforced	REPLACE
WT 017	8" thick	non-reinforced	REPLACE
WT 020	12" thick	reinforced	REPLACE

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

WT 013 Remove old and install new 4" thick non-reinforced concrete--
INCLUDES: breaking up old concrete using pneumatic hammer and loading debris on truck by hand; placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.65762 hours per square yard of 4" thick non-reinforced concrete replaced
000.00351 hours per linear feet of edging to be performed

000.00524 hours per linear feet of control joints to be cut

WT 015 Remove old and install new 6" thick non-reinforced concrete--
INCLUDES: breaking up old concrete using pneumatic hammer and loading debris on truck by hand; placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.93707 hours per square yards of 6"thick non-reinforced concrete to be replaced
000.00351 hours per linear feet of edging to be performed

000.00524 hours per linear feet of control joints to be cut

WT 017 Remove old and install new 8" thick non-reinforced concrete--
INCLUDES: breaking up old concrete using pneumatic hammer and loading debris on truck by hand; placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

001.18520 hours per square yards of 8" thick re-inforced concrete to be replaced
000.00351 hours per linear feet of edging to be performed

000.00524 hours per linear feet of control joints to be cut

WT 020 Remove old and install new 12" thick reinforced concrete--
INCLUDES: breaking up old concrete using pneumatic hammer and loading debris on truck by hand; placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet ofplastic for curing process
NOTE: no concrete or steel bar sawing included

001.70664 hours per square yards of 12" thick reinforced concrete to be replaced
000.00351 hours per linear ft of edging to be performed

000.00524 hours per linear feet of control joints to be cut

Concrete: Remove NON-REINFORCED and REINFORCED concrete--
INCLUDES: Cutting concrete using self-propelling concrete saw; Breaking up concrete with pneumatic hammer; Loading debris on truck by hand
Install NON-REINFORCED and REINFORCED concrete--
INCLUDES: Placing new concrete; wood floating; edging; cutting control joints; covering surface for curing process; laying wire mesh as required
NO TIME IS ALLOWED TO LOAD WHEELBARROW WITH DEBRIS AND MOVE TO TRUCK.

TASK TIME STANDARDS LISTING

WT 023	2" thick	non-reinforced & reinforced	CUT ONLY w/ saw
WT 014	4" thick	non-reinforced	REMOVE w/ saw and pneumatic hammer
WT 016	6" thick	non-reinforced	REMOVE w/ saw and pneumatic hammer
WT 018	8" thick	non-reinforced	REMOVE w/ saw and pneumatic hammer
WT 019	12" thick	reinforced	REMOVE w/ saw and pneumatic hammer
WT 079	4" thick	non-reinforced	INSTALL
WT 080	6" thick	non-reinforced	INSTALL
WT 081	8" thick	non-reinforced	INSTALL
WT 082	12" thick	reinforced	INSTALL

WT 023 Cut concrete using gasoline powered self-propelling concrete saw with diamond saw blade to a depth of 2 inches where water flow control is not required

000.44043 hours per JOB SETUP TIME

000.01355 hours per linear feet of saw cut to be made in concrete
000.04916 hours per separate saw cuts to be made in concrete

WT 014 Remove 4" thick non-reinforced concrete--INCLUDES: cutting concrete using self-propelling concrete saw; breaking up concrete with pneumatic hammer; loading debris on truck by hand

000.44043 hours per JOB SETUP TIME

000.01355 hours per linear feet of saw cut to be made in concrete
000.04916 hours per separate saw cuts to be made in concrete

000.06239 hours per square feet of concrete to be broken up and loaded on truck

WT 016 Remove 6" thick non-reinforced concrete--INCLUDES: cutting concrete using self-propelling concrete saw; breaking up concrete with pneumatic hammer; loading debris on truck by hand

000.44043 hours per JOB SETUP TIME

000.01355 hours per linear feet of saw cut to be made in concrete
000.04916 hours per separate saw cuts to be made in concrete

000.09253 hours per square feet of concrete to be broken up and loaded on truck

WT 018 Remove 8" thick non-reinforced concrete--INCLUDES: cutting concrete using self-propelling concrete saw; breaking up concrete with pneumatic hammer; loading debris on truck by hand

000.44043 hours per JOB SETUP TIME

000.01355 hours per linear feet of saw cut to be made in concrete
000.04916 hours per separate saw cuts to be made in concrete

000.11920 hours per square feet of concrete to be broken up and loaded on truck

WT 019 Remove 12" thick reinforced concrete--INCLUDES: cut concrete using self-propelling concrete saw; break up concrete with pneumatic hammer; load debris on truck by hand

000.44043 hours per JOB SETUP TIME

000.01355 hours per linear feet of saw cut to be made in concrete
000.04916 hours per separate saw cuts to be made in concrete

000.17774 hours per square feet of concrete to be broken up and loaded on truck

WT 079 Install 4" thick non-reinforced concrete--INCLUDES: placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01098 hours per square feet of 4"thick concrete to be placed; floated; covered
000.00351 hours per linear feet of edging of concrete to be per formed
000.00524 hours per linear feet of control joints to be cut in concrete

WT 080 Install 6" thick non-reinforced concrete--INCLUDES: placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01189 hours per square feet of 6"thick concrete to be placed; floated; covered
000.00351 hours per linear feet of edging of concrete to be per formed
000.00524 hours per linear feet of control joints to be cut in concrete

WT 081 Install 8" thick non-reinforced concrete--INCLUDES: placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01279 hours per square feet of 8"thick concrete to be placed; floated; covered
000.00351 hours per linear feet of edging of concrete to be per formed
000.00524 hours per linear feet of control joints to be cut in concrete

WT 082 Install 12" thick reinforced concrete--INCLUDES: laying wire mesh; placing new concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.02676 hours per job

000.01535 hours per square feet of wire mesh and 12"thick concrete to be installed
000.00351 hours per linear feet of edging of concrete to be per formed
000.00524 hours per linear feet of control joints to be cut in concrete

CONCRETE: Remove NON-REINFORCED AND REINFORCED concrete WALL or SLAB. Use PNEUMATIC HAMMER to break up concrete. Load debris on truck by hand.
NO TIME IS ALLOWED TO CUT OR BURN OUT REINFORCING RODS OR LOAD WHEELBARROW WITH DEBRIS AND MOVE TO TRUCK.

TASK TIME STANDARDS LISTING

WT 021	6" thick	WALL	reinforced	BREAK UP per sq. yd. w/ pneumatic hammer
WT 022	8" thick.	WALL	reinforced	BREAK UP per sq. yd. w/pneumatic hammer
WT 024	4" thick	SLAB	non-reinforced	BREAK UP per sq. yd. w/ pneumatic hammer
WT 026	6" thick	SLAB	non-reinforced	BREAK UP per sq. yd. w/pneumatic hammer
WT 027	8" thick	SLAB	non-reinforced	BREAK UP per sq. yd. w/pneumatic hammer
WT 028	12" thick	SLAB	non-reinforced	BREAK UP per sq. yd. w/pneumatic hammer

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

WT 021 Remove 6" thick reinforced concrete wall (BELOW GROUND LEVEL)--
INCLUDES: breaking up concrete with pneumatic hammer; loading debris on truck by hand
NO TIME IS ALLOWED FOR CUTTING OR BURNING OUT REINFORCEMENT ROD OR WIRE OR FOR ANY REQUIRED EXCAVATION

002.05029 hours per square yards of concrete wall to be removed

WT 022 Remove 8" thick reinforced concrete wall - ABOVE GROUND LEVEL--
INCLUDES: breaking up concrete using pneumatic hammer; loading debris on truck by hand
NO TIME IS ALLOWED FOR CUTTING OR BURNING OUT REINFORCEMENT ROD OR WIRE

003.98979 hours per square yards of concrete wall to be removed

WT 024 Break up 4" thick non-reinforced concrete slab with pneumatic hammer and load debris on truck by hand
(NO CONCRETE SAW USED)

000.56151 hours per square yards of concrete to be broken up and debris loaded

WT 026 Break up 6" thick non-reinforced concrete slab with pneumatic hammer and load debris on truck by hand
(NO CONCRETE SAW USED)

000.83277 hours per square yards of concrete to be broken up and debris loaded

WT 027 Break up 8" thick reinforced concrete slab with pneumatic hammer and load debris on truck by hand
(NO CONCRETE SAW USED)

001.07280 hours per square yards of concrete to be broken and debris loaded

WT 028 Break up 12" thick reinforced concrete slab with pneumatic hammer and load debris on truck by hand
(NO CONCRETE SAW USED)

001.59966 hours per square yards of concrete slab to be broken up & debris loaded

CONCRETE: Break-up, Remove, fill joints and holes with Epoxy Joint Sealer. Use appropriate standard for concrete thickness and type (nonreinforced/reinforced etc) and tools and methods used for removal of debris.

TASK TIME STANDARDS LISTING

WT 070 12"thk.SLAB-nonreinforced---------(Break-up no removal) per S.F. w/Pneumatic Hammer on Backhoe
WT 071 12"thk SLAB-nonreinforced-Fibrous (Break-up no removal) per S.F. w/Pneumatic Hammer on Backhoe
WT 072 Load Rubble with GRADE-ALL into DUMP TRUCK per cu.yd.
WT 075 SLAB JOINT- pour EPOXY SEALER into joints per ln.ft. using applicator can
WT 076 CONCRETE JOINT-pour EPOXY SEALER into per hole/chip holes, cracks, chips using applicator can

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

WT 070 Break up 12 in. thick Concrete (Non-Reinforced) with Pneumatic Hammer Mounted on a Backhoe. Includes repositioning of backhoe as required. Debris removal not included.

000.01742 hours per square feet of concrete to break up

WT 071 Break up 12" thick nonreinforced fibrous concrete with pneumatic hammer mounted on a backhoe. Includes repositioning of backhoe as required. Debris removal not included.

000.02627 hours per square feet of concrete to break up

WT 072 Load debris into dump truck with Grade-All. Includes repositioning of Grade-All.

000.13816 hours per cubic yards of rubble to load

WT 075 Manually pour Epoxy Joint Sealer into concrete joints using applicator can (can approx 2 qt capacity). Joint size avg. 1" wide X .75" deep. Job size approx 150 linear feet.

000.25872 hours per JOB SETUP TIME

000.00471 hours per linear feet of epoxy joint sealer to pour

WT 076 Manually pour Epoxy Joint Sealer into holes/cracks or chips in concrete using applicator can (can size approx. 2 qt). Avg size of hole/crack/chip 2" - 3" Dia. 1" - 3" deep.

000.25872 hours per JOB SETUP TIME

000.00605 hours per holes, chips or cracks to fill

Earth-base material: EXCAVATE, BACKFILL
Time to load and unload barricades at shop area & directing traffic is not included. Use material handling to develope barricades hrs.
Trencher is a vermeer 22 h.p., gasoline operated.

TASK TIME STANDARDS LISTING

WT 029	BARRICADE-saw horse type		(Set & Remove)-8 ft. long per barricade	
WT 030	TRENCH-hard soil	12"deep x6"wide	(Dig)- by 22 h.p.Trencher	
WT 031	TRENCH-medium soil	12"deep x6"wide	(Dig)- by 22 h.p.Trencher	
WT 032	TRENCH	12"deep x6"wide	(Backfill)-by 22 h.p. Trencher	
WT 033	BASE MATERIAL	-coral type	(Excavate)-by Pnewmatic Hammer	
WT 034	BASE MATERIAL	-coral type	(Excavate)-by Hand Shovel	
WT 035	BASE MATERIAL	-coral type	(Excavate)-by Hand & Pnewmatic Hammer	
WT 037	HOLE,DITCH/TRENCH	-soft soil	(Excavate)-by Backhoe	
WT 036	HOLE,DITCH/TRENCH	-med. soil	(Excavate)-by Backhoe	
WT 038	BACKFILL	- soil	(Backfill)-by Backhoe Bucket	
WT 039	LOAD-truck	- soil	(Load)- by Front End Loader	

WT 029 Set up and remove barricade, saw horse type, 8' length.

000.03980 hours per barricades to set up and remove

WT 030 Dig trench 12" deep, 6" wide in hard soil with gasoline driven/ operated trencher.

000.00322 hours per linear feet of trench to dig

WT 031 Dig trench 12" deep, 6" wide in medium soil with gasoline driven/operatoed trencher.

000.00192 hours per linear feet of trench to dig

WT 032 Backfill trench with blade on front of gasoline driven/operated trencher.

000.00215 hours per linear feet of trench to backfill

WT 033 Operate pneumatic hammer in coral type material.

000.67770 hours per cubic yards of coral type material

WT 034 Shovel coral type material with hand shovel.

000.80726 hours per cubic yards of coral type material

WT 035 Operate pneumatic hammer and shovel coral type material.

001.48496 hours per cubic yards of coral type material

WT 037 Excavate soft earth, hole, trench, or ditch with backhoe.

000.10828 hours per cubic yards of earth to excavate

WT 036 Excavate medium earth, hole, trench, or ditch with backhoe.

000.11838 hours per cubic yards of earth to excavate

WT 038 Backfill hole, trench or ditch with tractor backhoe bucket.

000.07347 hours per cubic yards of backfill

WT 039 Load earth with front end loader.

000.04017 hours per cubic yards of earth to load

Earth, Base Material: Excavate, Remove, Spread, Grade, Roll and Oil.

Time for excavating earth is for an average depth of 9 inches.
Equipment used: grader with 12 foot blade, scarifer, bulldozer, tractor crawler, front end loader.
Loading earth onto trucks does not include travel time or dumping.
Time allowed to grade and to roll to a finished grade utilizes the following equipment: grader, three wheel roller, tandem roller, water truck (filling of water truck or oil truck not included), 800 gallon oil truck with manifold pressure nozzle.
Craft times for WT-44 is based upon 15 ft wide pass, and grading depth of up to 2" of dirt.

TASK TIME STANDARDS LISTING

WT 040	GRADE/EXCAVATE	soil	by Grader,Bulldozer or Front End Ldr. (Excavate)-loading trucks not incld.
WT 041	GRADE/EXCAVATE	soil	by grader,bulldozer or front end ldr. (Excavate)-loading trucks is incld.
WT 042	ROLL	soil	(Roll)-after excavation per sq.ft.
WT 043	SPREAD	base material	(Spread)-by Grader & Bulldozer hrs.per cu.yd.spread
WT 044	SPREAD	- base matl.	(Spread)-by grader &bulldozer/15ft.x 2in hrs.per 1000 lin.ft.
WT 045	OIL SURFACE	- base matl.	(Oil) -by truck & spray nozzle
WT 046	ROLL	- base matl.	(Roll) -by roller
WT 047	FINISH ROLL	- base matl.	(Finish Roll)-broom & water down
WT 048	ROUGH & FINISH ROLL	- base matl.	by using roller (Rough & Finish Roll)
WT 049	ROAD BED/BLDG.BED	- base matl.	excavate,load,truck spoil,roll (Prepare) before fill,spread&grade base

WT 040 Excavate earth using grader, bulldozer, and front end loader.

000.05896 hours per cubic yards of earth to excavate

WT 041 Excavate earth, load on truck, using grader, bulldozer and front end loader.

000.09913 hours per cubic yards of earth to excavate

WT 042 Roll earth with roller after excavation.

000.00040 hours per square feet of earth to roll

WT 043 Spread base material with grader and bulldozer.

000.03149 hours per cubic yards of base material to spread

WT 044 Grade 1000 linear feet of dirt road (base material) using a motor grader. Grader travels at average speed of 4 MPH and covers a pass 15 feet wide by 2" deep. Does not include time for delays. 1 Man.

000.04740 hours per 1000 linear feet of dirt road to grade

WT 045 Oil surface of base material with oil truck and spray nozzle.

000.00021 hours per square feet of base material to oil

WT 046 Rough roll base material with roller.

000.00110 hours per square feet of base material to rough roll

WT 047 Finish roll base material with roller, broom and water down.

000.00055 hours per square feet of base material to finish roll

WT 048 Rough roll and finish roll base material with roller.

000.00165 hours per square feet of base material to rough roll and finish roll

WT 049 Excavate earth and load onto truck; roll earth before filling with base material; spread and grade base material. Average depth 9". Average 1 cubic yard per 36 square feet base materia spread and graded.

000.00577 hours per square feet of base material to grade and s pread

FENCE & GATES,PARKING BUMPERS- cyclone /chain link type / metal panel privacy. Time for surveying, or the preparation of concrete is not included.
See the Masonry Handbook for mixing small batches of concrete; Large quantities of concrete are normally procured.
Set up work so time for setting of concrete is not a consideration. Do not allow time to watch concrete set.

TASK TIME STANDARDS LISTING

RT 069	PARKING BUMPER	AUTO	(Install)	cement 4', spikes 2
RT 074	8 x 8 ft.	FENCE sect	(Install)	metal panel, privacy
RT 001	8 ft high	FENCE	(Install)	no-gate, no barbed wire
RT 002	8 ft high	FENCE& gate	(Install)	1-gate, no barbed wire
RT 003	8 x 10 ft	GATE	(Install)	1-gate, no barbed wire
RT 004	8 x 10 ft.	GATE-dual	(Install)	dual-gate, no barbed wire
RT 005	7 x 3 ft.	GATE-personnel	(Install)	1-gate, no barbed wire
RT 087	BARBED WIRE	(Remove)	3 strands	(no ladder time incld) 8 x 10 ft. fence section
RT 088	BARBED WIRE	(Replace)	Per strand	(no ladder time incld) 8 x 10 ft. fence section
RT 089	BARBED WIRE & ARM	(Install)	Per arm, 3 strands	8 ft. x 10 ft. fence section

RT 069 Install cement parking bumper.
INCLUDES: Manually place 4' cement auto parking bumper, measure and mark, position, secure with 2 spikes.

000.04952 hours per BUMPER

RT 074 Install privacy panel/galvanized steel fence.
INCLUDES: measure mark & drill each post, nail brackets on post bore hole for fence post, install fence post in hole, assemble horizontal rails, install nylon spacers, uncrate panels, and nail panel onto horizontal rails.
NOT INCLUDED: mixing cement, layout, and gate installation

000.48352 hours per posts installed

000.42904 hours per sections of privacy panel fence installed

RT 001 Install 8' high cyclone fence; no gate, no barbed wire.

000.05373 hours per linear feet of cyclone fence to install

RT 002 Install cyclone fence 8' high with one gate (10' long x 8' high) no barbed wire.

000.06294 hours per linear feet of cyclone fence to install

RT 003 Cyclone gate (10' x 8'), install.

001.17340 hours per cyclone gates to install

RT 004 Gates, cyclone, dual 10' wide x 8' high (opening 20' wide), install.

001.84044 hours per cyclone gates to install

RT 005 Gate, cyclone, 7' high, 3' wide (personnel gate) install.

001.09417 hours per cyclone gates to install

RT 087 Remove existing barbed wire on fence, chainlink, perimeter.
Includes: Remove 3 strands of old wire from barb arm on 8 foot high, 10 foot section of fence. (Ladder time not included)

000.02182 hours per section

RT 088 Replace existing barbed wire on fence, chainlink, perimeter.
Includes: New wire per 10 foot section, 8 foot high, barb arm, 1 strand, based on 100 foot run. (Ladder time not included)

000.01255 hours per section

RT 089 Install barbed wire on fence, chainlink, perimeter.
Includes: Install new wire per 10 foot section, 8 foot high, on barb arm, 3 strand. (Ladder time not included)

000.04743 hours per section

HOLE,DITCH,TRENCH : Bore, Dig, Excavate & or Backfill and Post Replacement (by hand, trencher, or truckauger and auger)

HOLE, DITCH or TRENCH: Bore, Dig & Backfill
For placement of posts, see RT-66.
Curing of concrete not required, setting of concrete not allowable, if used. Mixing concrete or procured ready mixed concrete not included.
Mixing summary of General Data allows for purchased concrete.
See Masonry Handbook for mixing of concrete batches.

TASK TIME STANDARDS LISTING

RT 006	DITCH,HOLE or TRENCH-	sandy avg.soil	(Dig)	- by hand
RT 007	DITCH,HOLE or TRENCH-	sandy avg.soil	(Backfill)	-by hand
RT 008	DITCH,HOLE or TRENCH-	sandy avg.soil	(Dig& Backfill)	-by hand
RT 009	TRUCK AUGER HOLE-	sandy avg.soil 7 ft deep/to 2 ft dia.	(Dig)	-by truck 2men
RT 010	TRUCK AUGER HOLE-	sandy avg.soil 7 ft deep/to 2 ft.dia.	(Dig& Backfill)	tamp around pole
RT 011	TRUCK AUGER HOLE-	sandy avg.soil 28"deepx10"dia.	(Dig& Concrete Backfill)	cover post w/soil
RT 012	TRACTOR AUGER HOLE-	3-pt H/U auger 30"deepx10"dia.	(Dig& Concrete Backfill)	cover post w/soil
RT 066	POST INSTALLATION-		(Install)post, inclds.measuring	& making, positioning
RT 067	POST INSTALLATION -		(Install& Concrete)post, inclds. measure,make,position,concrete backfill	

RT 006 Hole, ditch, or trench, dig by hand; sandy, average soil.

000.08592 hours per cubic feet in ditch/hole/trench to dig

RT 007 Hole, ditch, or trench, backfill by hand; sandy or average soil.

000.01616 hours per cubic feet of hole/ditch/trench to backfill

RT 008 Hole, ditch, or trench, dig and backfill by hand; sandy or average soil.

000.10208 hours per cubic feet of hole/ditch/trench to dig and backfill

RT 009 Bore holes (7' deep - up to 24" diameter) with truck mounted mechanical earth borer, average or sandy soil - 2 men.

000.61214 hours per holes to drill

RT 010 Bore holes with truck mounted mechanical earth borer, backfill and hand tamp around hole (sandy or average soil). Holes are 7' deep, up to 24" diameter.

000.81052 hours per holes to drill and backfill

RT 011 Bore holes 28" deep, 10" diameter for fence post with truck mounted mechanical auger, fill with concrete, cover with dirt and smooth out. Sandy/average soil. 2 men.

000.51445 hours per holes to drill

RT 012 Bore holes 30" deep, 10" diameter for fence post with tractor mounted mechanical auger (3 point hook-up), fill with concrete, cover with dirt and smooth out. Sandy/average soil. 2 men.

000.55230 hours per holes to drill

RT 066 Position fence post in hole. Includes obtaining post, measuring and marking and positioning post in hole. 2 men.

000.02126 hours per fence posts to position

RT 067 Install fence post in hole. Includes obtaining post, postioning in hole, aligning, and filling in hole. 2 men.

000.16884 hours per fence posts to install

HOLE, DITCH or TRENCH: BORE, DIG & BACKFILL
Times are not included for placement and alignment of posts or poles.
Curing of concrete not required, setting of concrete not allowable, if used. Mixing concrete or procured ready mixed concrete not included.
Mixing summary of General Data allows for purchased concrete.
See Masonry Handbook for mixing concrete batches.
Applies to sandy to average soil.

TASK TIME STANDARDS LISTING

RT 013	TRUCK AUGER-	1ea- 30"deep x10"dia sandy avg.soil	for 1 pole ROAD SIGN	(Dig,Backfill& Tamp)
RT 014	TRUCK AUGER-	2ea- 30"deep x10"dia sandy avg.soil	for 2 pole ROAD SIGN	(Dig,Backfill& Tamp)
RT 015	TRUCK AUGER-	1ea- 7 ft. deep x24"dia sandy avg.soil	for 1 ANCHOR, 2men	(Dig,Backfill -Anchor)
RT 016	HAND DIG-hole	1ea- 20 cu.ft.	for 1 POLE	(Dig,Backfill& hand Tamp)
RT 017	HAND DIG-hole	1ea- 20 cu.ft.	for 1 ANCHOR	(Dig,Backfill& hand Tamp)
RT 018	HAND LEVEL& GRADE	to 3" of dirt	w/hand tools per sq.yd.	(Level & Grade)
RT 077	EXCAVATE& LOAD	skim surface of ditch	w/gradall per sq. yd.	(Load Truck)

RT 013 Bore holes 30" deep, 10" diameter with truck mounted mechanical earth borer, for single standing pole road sign, backfill and hand tamp. Sandy/average soil, 2 men.

000.36312 hours per holes to drill

RT 014 Bore holes 30" deep, 10" diameter with mechanical earth borer for dual standing pole road signs, backfill and hand tamp. Sandy/average soil, 2 men.

000.72624 hours per holes to drill

RT 015 Bore holes for pole with truck mounted mechanical earth borer (7' deep and up to 24" diameter) and backfill around anchor. Sandy/average soil, 2 men.

001.10564 hours per holes to drill

RT 016 Dig holes by hand and backfill around pole (average hole = 20 cubic feet).

000.09610 hours per cubic feet in hole to dig and backfill

RT 017 Dig holes for anchor by hand, backfill and hand tamp around anchor hole (average hole = 20 cubic feet).

000.11086 hours per cubic feet in hole to dig and backfill

RT 018 Level and grade up to 3" of dirt with hand tools.

000.28530 hours per square yards of dirt to level and grade

RT 077 Clean unpaved ditches sq. yd. Includes: Position gradall, excavate debris and load into truck.

000.00758 hours per SQ.YD.

LAWNS: FERTILIZE & MULCH APPLICATION

Fertilize- includes loading fertilizer into a 36" wide hand spreader. Watering time is to leach fertilizer into the soil and not subsequent watering which may be required. Mulch spreading of hay is with blower type spreader with gasoline engine (3 man operation excluding truck driver). Does not include loading of hay into truck.

TASK TIME STANDARDS LISTING

RT 019	FERTILIZE-	20 lbs. per 1,000 sq.ft.	no----- watering
RT 020	FERTILIZE-&water	20 lbs. per 1,000 sq.ft.	inclds. water in
RT 021	FERTILIZE-	40 lbs. per 1,000 sq.ft.	no----- watering
RT 022	FERTILIZE-&water	40 lbs. per 1,000 sq.ft.	inclds. water in
RT 023	SPREAD HAY-	36 bales per truck load	for mulching

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 019 Spread fertilizer with hand pushed spreader; fertilizer applied at the rate of 20 pounds per 1,000 square feet.

000.06792 hours per 100 sq. ft. sections to spread fertlizer

RT 020 Spread fertilizer with hand pushed spreader and water fertilizer down after spreading - fertilizer applied at the rate of 20 pounds per 1,000 square feet.

000.30569 hours per 1,000 square feet of area to spread

RT 021 Spread fertilizer with hand pushed spreader - fertilizer applied at the rate of 40 pounds per 1,000 square feet.

000.07684 hours per 1,000 square feet of area to spread

RT 022 Spread fertilizer with hand pushed spreader and water after spreading; rate - 40 pounds per 1,000 square feet.

000.31461 hours per 1,000 square feet of area spread and watered

RT 023 Spready hay (used as a mulching agent) using a blower type spreader with a gasoline engine - 36 bales per truck load.

001.79521 hours per truck load of hay

LAWNS: HAND PLANT & WATER- Sprigs, Stolons, Grass Seed or Sod -
*SEE CHAPTER 140 for additional watering task.
PLANT SOD: Time for hauling sod is not included;time for loading & unloading sod from a truck is included for planting sod in 1-1/2"strips, time is included for cutting sod into strips

TASK TIME STANDARDS LISTING

RT 024	1 ft.sq.-SOD BLOCK	(Cut,Remove,Load,Unload,Plant) MACHINE CUT
RT 025	1 ft.sq.-SOD BLOCK	(Cut,Remove,Load,Unload,Plant) HAND____CUT
RT 026	1.5" ----SOD STRIPS	(Cut,Remove,Load,Unload,Plant) MACHINE CUT
RT 027	1.5" ----SOD STRIPS	(Cut,Remove,Load,Unload,Plant) HAND____CUT
RT 028	STOLONS----- bermuda or buffalo	(Plant) no watering
RT 029	SPRIGS ---- bermuda grass	(Plant) no watering
RT 030	HAND WATER- sod,sprigs,stolons	per setup&sq.ft (Water after Planting)
RT 068	GRASS PLANTING-seed/walk	(Rake,Rotary Broadcast Straw Cover,Hand Water)
RT 081	GRASS PLANTING-seed/tractor	(Combine bag of seed & fertilizer in broadcaster per 1000 sq. ft.)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 024 Cut sod with machine, remove, load and unload and plant in square foot blocks.

000.04839 hours per JOB SETUP TIME

000.00898 hours per square feet of sod

RT 025 Cut sod by hand, remove, load and unload and plant in square foot blocks.

000.00546 hours per JOB SETUP TIME

000.02111 hours per square feet of sod

RT 026 Cut sod by machine, remove, load and unload and plant in 1.5" strips.

000.04839 hours per JOB SETUP TIME

000.04616 hours per square feet of sod

RT 027 Cut sod by hand, remove, load and unload and plant in 1.5" strips.

000.00546 hours per JOB SETUP TIME

000.05829 hours per square feet of sod

RT 028 Lawns, plant Bermuda or Buffalo grass (stolons); watering not included.

000.01686 hours per square feet of grass to plant

RT 029 Lawns, plant grass sprigs - watering not included.

000.03130 hours per square feet of grass to plant

RT 030 Water lawn by hand.

000.02261 hours per JOB SETUP TIME

000.00150 hours per square feet of lawn to water

RT 068 Plant grass seed in bare area per SF, includes rake, spread with rotary spreader, cover with straw, and hand water.

000.00268 hours per square foot

RT 081 Plant grass seed by tractor in bare area per 1000 sq.ft. Includes: Combine bag of grass seed and bag of fertilizer in hopper and spread with tractor.

000.03736 hours per 1000 SQ.FT.

Lawns: Water.
Unless otherwise noted, process time for the actual watering is not included.

TASK TIME STANDARDS LISTING

RT 031 SPRINKLER--watering hrs.incld. 2-50 ft. hoses &1 bibb,per sq.ft. (Water Lawn,Setup,Move,Put Away)
RT 032 SOAKER HOSES--50ft.hoses (Water Lawn,Setup,Move,Put Away)
RT 033 SPRINKLER-60'dia.w/hoses 3ea50 ft. hoses & 1 bibb (Water Lawn,Setup,Move,Put Away)
RT 034 SPRINKLER-80'dia. hoseless type 17 plug ins per acre (Water Lawn-SET UP& REMOVAL ONLY)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 031 Water lawn by hand (watering lightly) one bibb, two 50' hoses, one sprinkler. (Includes set-up, move and put away equipment.)

000.08924 hours per JOB SETUP TIME

000.00023 hours per square feet of lawn to water

RT 032 Water lawn with 50' soaker hoses, set up, move and put away equipment.

000.14500 hours per 1,500 sq. ft. sections of lawn to water

RT 033 Water lawn with 1 bibb, three 50' hoses to bibb, one 60' diameter spray sprinkler.

000.16775 hours per 1,500 sq. ft. sections of lawn to water

RT 034 Water lawn with revolving hoseless sprinklers, 80' diameter spray (set up and removal time only).

000.40350 hours per acres of lawn to water

MOW: LAWNS, FIELDS, PARKS
Tasks include: fueling equipment, starting & stopping equipment, putting on & removing safety equipment. Moving of equipment to & from work, & any safety requirements such as cooling time for a mower engine prior to refueling is not incld.

TASK TIME STANDARDS LISTING

RT 038	21" single Rotary(cut)- UN-OBSTRUCTED	improved area, PUSH MOWER
RT 039	21" single Rotary(cut)- OBSTRUCTED	improved area, PUSH MOWER
RT 040	21" single Rotary(cut)-TRIM AROUND-sidewalks,ditches,bldgs.where cannot take riding mower	
RT 044	48" Hammer Knife (cut)-TRACTOR DRAWN	semi improved area
RT 043	90" Rotary Knife (cut)-TRACTOR DRAWN (bush hog-type)	semi improved area
RT 035	72" duel Rotary(cut)- UN-OBSTRUCTED	improved area
RT 036	72" duel Rotary(cut)- MEDIUM OBSTRUCTED	improved area
RT 037	72" duel Rotary(cut)- HEAVILY OBSTRUCTED	improved area
RT 042	84"3 Gang Reel (cut)-TRACTOR DRAWN	improved area
RT 041	128"5 Gang Reel (cut)-TRACTOR DRAWN	improved area

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 038 Mow unobstructed lawn (grass improved area) with 21" rotary blade, push mower, operator walking.

000.05826 hours per 1000 square feet of lawn to be mowed

RT 039 Mow obstructed lawn (grass improved area) with 21" rotary blade, push mower, operator walking.

000.08091 hours per 1,000 square feet of lawn to be mowed

RT 040 Trim - mow around buildings, along ditches, sidewalks, culverts, etc., where riding mower cannot reach, with 21" rotary blade push mower.

000.00009 hours per linear feet of trim to be mowed

RT 044 Mow of semi-improved area - grass 10" high, cut to 2" high with 48" hammer knife mower, tractor drawn.

001.21167 hours per acres to be mowed

RT 043 Mow semi-improved area (growth 20" high) with 90" cut, rotary knife mower, tractor drawn, bush hog.

000.63967 hours per acres to be mowed

RT 035 Mow improved area, unobstructed, with dual rotary blade,72" cut, riding mower.

000.00726 hours per 1,000 square feet of area to be mowed

RT 036 Mow improved area, medium obstructed, with dual rotary blade, 72" cut, riding mower.

000.01506 hours per 1,000 square feet of area to be mowed

RT 037 Mow improved area, heavily obstructed, dual rotary blade, 72" cut, riding mower.

000.02786 hours per 1,000 square feet of area to be mowed

RT 042 Mow improved area, recreational or parade grounds with 84" cut, 3 gang reel mower, tractor drawn.

000.36657 hours per acres to be mowed

RT 041 Mow improved area, recreational or parade ground with 128" cut, five gang reel mower, tractor drawn.

000.31157 hours per acres to be mowed

RIP RAP WALL, STEPPING STONES: Construct, Lay.
PAVING BLOCK: Lay, Backfill,Tamp,Water,Sweep, and Clean-up.
Time to load material in truck and transport to the site is not included. For the laying of stepping stones, preparation of area allows for minor rock and small tree root obstructions and the loading and unloading of stones from truck.
Layout of area, excavation, filling area with sand and machine tamping of sand to prepare for first paving block not included.
Material handling of blocks from staging area at site to working area is not included.

TASK TIME STANDARDS LISTING

RT 045	RIP RAP STONES-	Prepare bank & lay	(Load,Unload,Handplace)
RT 080	RIP RAP STONES-	Establish Barrier Dam	(Frontend Loader)
RT 046	STEPPING STONES-	Prepare area & lay	(Lay & Walking)
RT 072	PAVING BLOCK -	Lay paving block to prepared sand bed	
RT 073	PAVING BLOCK -	Backfill, hand tamp, water and sweep area	

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 045 Rip rap wall, prepare 2:1 slope, load, unload and hand place stones to 2' depth.

000.10302 hours per JOB SETUP TIME

001.39005 hours per square yards of rip rap wall to prepare

RT 080 Establish barrier dam with rip-rap using frontend loader, 3 ft. high x 3 ft. wide x 3 ft. deep.

000.05481 hours per 1 sq. yd.

RT 046 Stepping stone, lay, average obstruction and walking.

000.11126 hours per stepping stones laid

RT 072 Lay paving block to prepared sand bed. Block may be grass pavers or solid type. Block size is approximately 60 cm x 40 cm x 7 c (24" x 16" x 3") and weighs 10 kg (22.5 lb). Task incl. hand tr weling of immediate area, placing block, tamping to level. Time for layout,excavation,filling area with sand,backfilling block and perimeter area,clean-up and mat'l handling not included.

000.02106 hours per paving blocks to lay

RT 073 Backfill, hand tamp, water down and sweep area of newly laid grass paving blocks. Task includes the backfill of soil to bloc and perimeter of area,sweeping of soil into block holes, tampin fill into block holes,hand tamping perimeter fill,watering down surface and sweeping clean. Final machine tamping of surface an mat'l handling not included. Seeding of grass is not included.

000.03093 hours per grass paving blocks to backfill

000.01491 hours per linear meters of perimeter to backfill (MET RIC SYSTEM ONLY)
000.00474 hours per linear feet of perimeter to backfill (ENGLI SH SYSTEM ONLY)

Shrubbery beds, Flower beds, Lawns: RAKE, CULTIVATE, RAKE and CULTIVATE
Raking includes bagging leaves and debris and placing at curb.

TASK TIME STANDARDS LISTING

RT 047	RAKE	lawns or improved grounds
RT 048	RAKE	mixed flower & shrub beds
RT 049	RAKE	shrub beds
RT 050	CULTIVATE	mixed flower & shrub beds
RT 051	CULTIVATE	shrub beds
RT 052	RAKE & CULTIVATE	mixed flower & shrub beds
RT 053	RAKE & CULTIVATE	shrub beds

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 047 Rake leaves and debris from lawn or improved grounds, bag and place at curbside.

000.00718 hours per JOB SETUP TIME

000.04410 hours per 100 square feet of lawn to rake

RT 048 Rake leaves and debris from mixed flower and shrub beds, bag and place at curbside.

000.00718 hours per JOB SETUP TIME

000.08509 hours per 100 square feet of flower beds to rake

RT 049 Rake leaves and debris from shrub beds (no flowers), bag and place at curbside.

000.00718 hours per JOB SETUP TIME

000.05510 hours per 100 square feet of shrub beds to rake

RT 050 Cultivate mixed flower and shrub beds.

000.00718 hours per JOB SETUP TIME

000.09000 hours per 100 square feet of flower beds to cultivate

RT 051 Cultivate shrub beds (no flowers).

000.00718 hours per JOB SETUP TIME

000.04333 hours per 100 square feet of shrub beds to cultivate

RT 052 Rake and cultivate mixed flower and shrub beds; bag leaves and debris and place at curbside.

000.01436 hours per JOB SETUP TIME

000.17509 hours per 100 square feet of flower beds to rake and cultivate

RT 053 Rake and cultivate shrubbery beds (no flowers), bag leaves and debris and place at curbside.

000.01436 hours per JOB SETUP TIME

000.09842 hours per 100 square feet of shrub beds to rake and c ultivate

Lawns, Shrubbery, Hedges: TRIM
Equipment used for grass trimming along sidewalks, driveways, and curbing is gasoline or electric powered.
Equipment used for hedges and shrubs is 36" electric powered or 10" hand shears.
All tasks consider the use of a stepladder and safety equipment.
Trimming of hedge and shrubs includes raking, bagging and disposing of cuttings.

TASK TIME STANDARDS LISTING

RT 054	SHRUBS - w/	HAND SHEARS	
RT 055	SHRUBS - w/	HAND SHEARS	using ladder
RT 056	LAWN - w/ portable	GASOLINE TRIMMER	
RT 057	LAWN - w/ portable	ELECTRIC TRIMMER	
RT 058	HEDGES - w/	HAND SHEARS	using ladder
RT 059	HEDGES - w/	HAND SHEARS	
RT 060	HEDGES - w/ portable	ELECTRIC TRIMMER	using ladder
RT 061	HEDGES - w/ portable	ELECTRIC TRIMMER	

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 054 Shrub, trim with hand shears, no ladder.

000.14878 hours per shrubs to trim

RT 055 Shrub, trim with hand shears, with ladder.

000.17599 hours per shrubs to trim

RT 056 Lawn, trim with portable gasoline trimmer.

000.10188 hours per 100 linear feet of lawn to trim

RT 057 Lawn, trim with portable electric trimmer.

000.05519 hours per JOB SETUP TIME

000.26381 hours per 100 linear feet of lawn to trim

RT 058 Hedge, trim with hand shears, with ladder.

002.99059 hours per 100 linear feet of hedge to trim

RT 059 Hedge, trim with hand shears, no ladder.

002.84350 hours per 100 linear feet of hedge to trim

RT 060 Hedge, trim with portable, electric trimmer, with ladder.

000.05519 hours per JOB SETUP TIME

001.68370 hours per 100 linear feet of hedge to trim

RT 061 Hedge, trim with portable electric trimmer, without ladder.

000.05519 hours per JOB SETUP TIME

001.56992 hours per 100 linear feet of hedge to trim

TREE STUMP: Tree stump removal using motorized tree stump grinder, 24 in. diameter blade. Tree stump removed 9 in. to 12 in. below surface. Includes positioning of stump grinder with truck. Hole not filled, debris not removed.

TASK TIME STANDARDS LISTING

RT 071	TREE STUMP	Dia. < 12 inches
RT 070	TREE STUMP	Dia. 12"thru 24"
RT 085	TREE STUMP	Dia. 24"thru 32"
RT 086	TREE STUMP	Dia. 32"thru 42"

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 071 Tree stump (dia. < 12 in.) removal using motorized tree stump grinder, 24 in. dia. blade. Stump removed 9 in. to 12 in below surface. Includes positioning of grinder with truck. Hole not filled debris not removed.

000.06234 hours per STUMP

RT 070 Tree stump (dia. > 24 in.) removal using motorized tree stump grinder, 24 in. dia. blade. Stump removed 9 in. to 12 in. below surface. Includes positioning of grinder with truck. Hole not filled, Debris not removed.

000.28934 hours per STUMP

RT 085 Remove tree stump (dia 24"thru 32") removal using motorized tree stump grinder, 24 in. dia. blade. Stump removed 9 in. to 12 in. below surface. Includes: positioning of grinder with truck. Hole not filled, debris not removed.

000.37902 hours per STUMP

RT 086 Remove tree stump (dia 32"thru 42") using motorized tree stump grinder, 24 in. dia. blade. Stump removed 9 in. to 12 in. below surface. Includes: Positioning of grinder with truck. Hol not filled, debris not removed.

000.47902 hours per STUMP

TRANSPLANT-Cuttings,Grasses,Herbaceous Plants

TASK TIME STANDARDS LISTING

RT 090 6"to 8" Dia. Clump (TRANSPLANT-Cuttings,Grasses,Herbaceous Plants) in sandy soil/fresh water.

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 090 Transplant uprooted cuttings, grasses and herbaceous plants in sandy soil, fresh water. Includes: Transplants have root clumps no larger than 6 to 8 inch diameter with top shoots of a compatible size; Cut stock, move stock in work areas, dig hole and position/plant stock, firm soil with foot.

000.02077 hours per clump

SIGNS: Post, Building, Wall, Ground: INSTALL, REPLACE

TASK TIME STANDARDS LISTING

RT 065	WALL SIGN -	to wall	(Replace) no ladder, 1 man
RT 062	WALL SIGN -	to wall	(Install) no ladder, 1 man
RT 063	POST SIGN -	to post	(Install) w/ ladder, 2 men
RT 064	POST SIGN & POST	in ground(2 post)	(Install) no ladder, 2 men

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 065 Remove old and install new sign on building.

000.09108 hours per signs to replace on building

RT 062 Install sign on wall.Includes:Drilling of concrete block and placing of anchors (Ladder time not included)

000.29887 hours per per sign to install on concrete block wall

RT 063 Install traffic sign on post

000.00971 hours per traffic signs to install on post

RT 064 Install sign in ground. 2 pole sign, includes posthole dig 2 holes, trim poles off to correct heigth, mix & pour concrete into holes, vibrate to settle, and attach sign.

000.75399 hours per sign installed in ground

WEED CONTROL: HERBICIDE USE - Residential Areas, Parade Grounds, Edges, Sidewalks, Pavement, etc.

Spray edges of sidewalks & pavement: *S = spray tank used

1. Time is for spraying one side only. For spraying both sides, double the linear footage.
2. Good Condition - maximum overgrowth of 3" and allows one pass with sprayer.
3. Fair Condition - maximum overgrowth of 6" and allows two passes with sprayer.
4. Poor Condition - maximum overgrowth of 12" and allows two passes and additional partial passes with sprayer.

Fence line spraying, residential spraying, parade grounds spraying are two man operations.

TASK TIME STANDARDS LISTING

QAT001	*S w/ Cart	edges of SIDEWALK or PAVEMENT	Good Condition
QAT002	*S w/ Cart	edges of SIDEWALK or PAVEMENT	Fair Condition
QAT003	*S w/ Cart	edges of SIDEWALD or PAVEMENT	Poor Condition
QAT004	*S by Hand	edges of SIDEWALK or PAVEMENT	Good Condition
QAT005	*S by Hand	edges of SIDEWALK or PAVEMENT	Fair Condition
QAT006	*S by Hand	edges of SIDEWALK or PAVEMENT	Poor Condition
QAT007	*S w/ Vehicle	FENCE LINE	Initial treatment
QAT008	*S w/ Vehicle	FENCE LINE	Follow-up treatment
QAT009	*S w/ Vehicle	RESIDENTIAL AREA	
QAT010	*S w/ Vehicle	PARADE GROUNDS	
QAT095	*S w/ Boom Vehicle	IMPROVED AREAS	50-60 PSI, 4 MPH 21 ft. boom

QAT 001 Spray edges of sidewalk or pavement edge (one side) with herbicide using wheeled push cart (sprays 4"-5" swath). Good condition - maximum overgrowth is 3".

000.01080 hours per JOB SETUP TIME

000.00048 hours per linear feet of sidewalk or pavement edge to spray (one side)

QAT 002 Spray edges of sidewalk or pavement edge (one side) with herbicide using wheeled push cart (sprays 4"-5" swath). Fair condition - maximum overgrowth is 6".

000.01080 hours per JOB SETUP TIME

000.00133 hours per linear feet of sidewalk or pavement edge to spray (one side)

QAT 003 Spray edges of sidewalk or pavement edge (one side) with herbicide using wheeled push cart (sprays 4"-5" swath). Poor condition - maximum overgrowth is 12".

000.01080 hours per JOB SETUP TIME

000.00164 hours per linear feet of sidewalk or pavement edge to spray (one side)

QAT 004 Spray edges of sidewalk or pavement edge (one side) with herbicide using hand carried tank (sprays 4"-5" swath). Good condition - maximum overgrowth is 3".

000.01080 hours per JOB SETUP TIME

000.00058 hours per linear feet of sidewalk or pavement edge to spray (one side)

QAT 005 Spray edges of sidewalk or pavement edge (one side) with herbicide using hand carried tank (sprays 4"-5" swath). Fair condition - maximum overgrowth is 6".

000.01080 hours per JOB SETUP TIME

000.00144 hours per linear feet of sidewalk or pavement edge to spray (one side)

QAT 006 Spray edges of sidewalk or pavement edge (one side) with herbicide using hand carried tank (sprays 4"-5" swath). Poor condition - maximum overgrowth is 12".

000.01080 hours per JOB SETUP TIME

000.00164 hours per linear feet of sidewalk or pavement edge to spray (one side)

QAT 007 Spray fence line area with herbicide using vehicle drawn trailer type power sprayer with 100 gallon tank; two men - new spray area.

000.02160 hours per JOB SETUP TIME

000.00335 hours per linear feet of fence line to spray

QAT 008 Spray fence line area with herbicide using vehicle drawn trailer type power sprayer with 100 gallon tank; two men - follow up spraying.

000.02160 hours per JOB SETUP TIME

000.00144 hours per linear feet of fence line to spray

QAT 009 Spray residential area with herbicide using vehicle drawn trailer type power sprayer with 100 gallon tank; two men.

000.02160 hours per JOB SETUP TIME

000.08258 hours per Sections to spray (1 section = 1000 sq. ft.)

QAT 010 Spray parade ground area with herbicide using vehicle drawn trailer type power sprayer with 100 gallon tank; two men.

000.02160 hours per JOB SETUP TIME

000.06210 hours per sections to spray (1 section = 1000 sq. ft.)

QAT 095 Spray herbicide on improved area using a 21' boom. Operating pressure of spryaer is 50-60 psi at average speed of 4 MPH. Spray rate is 50 gallon per acre. Boom contains 13 nozzles, size 8008. 2 men.

000.01224 hours per JOB SETUP TIME

000.29424 hours per acres to treat

Nuisance Pests: COCKROACHES, FLEAS, SPIDERS, etc.
*P = provide pest control services for
*PF = provide flushing agent using back pack or hand held U.L.V. equipment on wheeled cart

TASK TIME STANDARDS LISTING

QAT011	*P	un-occupied	FAMILY HOUSING	living quarters
QAT012	*P	occupied	FAMILY HOUSING	living quarters
QAT013	*P	un-accompanied	PERSONNEL	living quarters
QAT014	*P		FOOD SERVICES	facility
QAT015	*P		OFFICE	space
QAT017	*P	un-obstructed	BASEBOARDS,LEDGERS,CURBS,PIPE,etc.	
QAT018	*P	obstructed	BASEBOARDS,LEDGERS,CURBS,PIPE,etc.	
QAT069	*PF	w/ wheeled cart	INSIDE BUILDING	
QAT070	*PF	w/ backpack	INSIDE BUILDING	

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 011 Provide pest control service for an unoccupied family housing unit.

000.19753 hours per JOB SETUP TIME

000.00014 hours per square feet of housing unit to treat

QAT 012 Provide pest control service for an occupied family housing unit.

000.32013 hours per JOB SETUP TIME

000.00018 hours per square feet of housing unit to treat

QAT 013 Provide pest control service for unaccompanied personnel living quarters.

000.02621 hours per JOB SETUP TIME

000.00012 hours per square feet of personnel quarters to treat

QAT 014 Provide pest control service for food service facility.

000.02621 hours per JOB SETUP TIME

000.00007 hours per square feet of food facility to treat

000.00800 hours per appliances to provide pest control

QAT 015 Provide pest control service for office space.

000.02621 hours per JOB SETUP TIME

000.00006 hours per square feet of office space to treat

QAT 017 Provide pest control service for unobstructed baseboard/curbs/ledges/pipes/etc.

000.00032 hours per linear feet of unobstructed baseboard/curbs /etc. to spray

QAT 018 Provide pest control service for baseboard, curbs/ledges/pipes/etc. obstructed by household/office furnitur or similar items.

000.00042 hours per linear feet of obstructed baseboard/curbs/e tc. to spray

QAT 069 Disperse flushing agent with manually propelled, wheeled, U.L.V. equipment inside building.

000.29274 hours per JOB SETUP TIME

000.00400 hours per 1,000 cubic feet of building to treat

QAT 070 Disperse flushing agent with back pack or hand held type U.L.V. (Ultra Low Volume) equipment.

000.00964 hours per JOB SETUP TIME

000.00150 hours per 100 cubic feet to be sprayed

STORED MATERIAL (WAREHOUSE) PESTS: Dry and general storage.

TASK TIME STANDARDS LISTING

QAT016	DRY FOOD	STORAGE	Provide pest control services for
QAT073	GENERAL	STORAGE	Provide pest control services for

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 016 Provide pest control service for a dry food storage warehouse.

000.02621 hours per JOB SETUP TIME

000.00001 hours per square feet of storage warehouse to treat

QAT 073 Provide pest control service for a general storage warehouse.

000.02621 hours per JOB SETUP TIME

000.01016 hours per 1000 square feet of warehouse to treat

Structural Pests: TERMITE (Subterranean) - HORIZONTAL RODDING
Tasks include: drilling hole in surface, insertin horizontal rod, and treating soil with 1 quart of insecticide per linear foot of insertion. Filling of insecticide tank is included.

TASK TIME STANDARDS LISTING

QAT019	SOFT	drilling surface,	2" depth,	light/sandy	soil
QAT020	SOFT	drilling surface,	2" depth,	heavy	soil
QAT021	SOFT	drilling surface,	4" depth,	light/sandy	soil
QAT022	SOFT	drilling surface,	4" depth,	heavy	soil
QAT023	SOFT	drilling surface,	6" depth,	light/sandy	soil
QAT024	SOFT	drilling surface,	6" depth,	heavy	soil
QAT025	SOFT	drilling surface,	8" depth,	light/sandy	soil
QAT026	SOFT	drilling surface,	8" depth,	heavy	soil
QAT027	SOFT	drilling surface,	10" depth,	light/sandy	soil
QAT028	SOFT	drilling surface,	10" depth,	heavy	soil
QAT029	MEDIUM	drilling surface,	2" depth,	light/sandy	soil
QAT030	MEDIUM	drilling surface,	2" depth,	heavy	soil
QAT031	MEDIUM	drilling surface,	4" depht,	light/sandy	soil
QAT032	MEDIUM	drilling surface,	4" depth	heavy	soil
QAT033	MEDIUM	drilling surface,	6" depth	light/sandy	soil
QAT034	MEDIUM	drilling surface,	6" depth	heavy	soil
QAT035	MEDIUM	drilling surface,	8" depth	light/sandy	soil
QAT036	NEDIUM	drilling surface,	8" depth	heavy	soil
QAT037	MEDIUM	drilling surface,	10" depth	light/sandy	soil
QAT038	MEDIUM	drilling surface	10" depth	heavy	soil
QAT039	HARD	drilling surface	2" depth	light/sandy	soil
QAT040	HARD	drilling surface	2" depth	heavy	soil
QAT041	HARD	drilling surface,	4" depth	light/sandy	soil
QAT042	HARD	drilling surface,	4" depth	heavy	soil
QAT043	HARD	drilling surface,	6" depth	light/sandy	soil
QAT044	HARD	drilling surface,	6" depth	heavy	soil
QAT045	HARD	drilling surface,	8" depth	light/sandy	soil
QAT046	HARD	drilling surface,	8" depth	heavy	soil
QAT047	HARD	drilling surface,	10" depth	light/sandy	soil
QAT048	HARD	drilling surface,	10" depth	heavy	soil

QAT 019 **Drill holes in soft surface, 2" deep, insert rod and treat light/sandy soil using horizontal rodding.**

000.14567 hours per JOB SETUP TIME

000.01230 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 020 **Drill holes in soft surface, 2" deep, insert rod and treat heavy soil using horizontal rodding.**

000.14567 hours per JOB SETUP TIME

000.01203 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 021 **Drill holes in soft surface, 4" deep, insert rod and treat light/sandy soil using horizontal rodding.**

000.14567 hours per JOB SETUP TIME

000.02123 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 022 **Drill holes in soft surface, 4" deep, insert rod and treat heavy soil using horizontal rodding.**

000.14567 hours per JOB SETUP TIME

000.02123 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 023 **Drill holes in soft surface, 6" deep, insert rod and treat light/sandy soil using horizontal rodding.**

000.14567 hours per JOB SETUP TIME

000.03043 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 024 **Drill holes in soft surface, 6" deep, insert rod and treat heavy soil using horizontal rodding.**

000.14567 hours per JOB SETUP TIME

000.03043 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 025 Drill holes in soft surface, 8" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.03963 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 026 Drill holes in soft surface, 8" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.03963 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 027 Drill holes in soft surface, 10" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.04883 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 028 Drill holes in soft surface, 10" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.04883 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 029 Drill holes in medium surface, 2" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.02183 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 030 Drill holes in medium surface, 2" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.02183 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 031 Drill holes in medium surface, 4" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.04083 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 032 Drill holes in medium surface, 4" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.04083 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 033 Drill holes in medium surface, 6" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.05983 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 034 Drill holes in medium surface, 6" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.05983 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 035 Drill holes in medium surface, 8" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.07883 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 036 Drill holes in medium surface, 8" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.07883 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 037 Drill holes in medium surface, 10" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.09782 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 038 Drill holes in medium surface, 10" deep, insert rod and treat heavy soil using hoirzontal rodding.

000.14567 hours per JOB SETUP TIME

000.09782 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 039 Drill holes in hard surface, 2" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.04403 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 040 Drill holes in hard surface, 2" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.04403 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 041 Drill holes in hard surface, 4" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.08522 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 042 Drill holes in hard surface, 4" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.08522 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 043 Drill holes in hard surface, 6" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.12643 hours per holes to drill

000.00364 hours per length of rod (in lin.ft.)

QAT 044 Drill holes in hard surface, 6" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.12643 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 045 Drill holes in hard surface, 8" deep, insert rod and treat light/sandy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.16763 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 046 Drill holes in hard surface, 8" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.16763 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

QAT 047 Drill holes in hard surface, 10" deep, insert rod and treat light/soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.20883 hours per holes to drill

000.00364 hours per length of rod (in lin. ft.)

QAT 048 Drill holes in hard surface, 10" deep, insert rod and treat heavy soil using horizontal rodding.

000.14567 hours per JOB SETUP TIME

000.20883 hours per holes to drill

000.00504 hours per length of rod (in lin. ft.)

Structural Pests: TERMITE (Subterrranean) - Sub Slab Injector.
Tasks include: drilling hole in surface and treating it with insecticide applied with a sub slab injector. Filling of insecticide tank is also included.

TASK TIME STANDARDS LISTING

QAT053	Mix cement & fill holes		
QAT049	SOFT	drilling surface,	2" drill depth
QAT050	SOFT	drilling surface,	4" drill depth
QAT051	SOFT	drilling surface,	6" drill depth
QAT052	SOFT	drilling surface,	10" drill depth
QAT054	MEDIUM	drilling surface,	1" drill depth
QAT055	MEDIUM	drilling surface,	4" drill depth
QAT056	MEDIUM	drilling surface,	6" drill depth
QAT057	MEDIUM	drilling surface,	10" drill depth
QAT058	HARD	drilling surface,	1" drill depth
QAT059	HARD	drilling surface,	4" drill depth
QAT060	HARD	drilling surface,	6" drill depth
QAT061	HARD	drilling surface,	10" drill depth

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 053 Mix cement and fill holes with cement.

000.00521 hours per holes to be filled

QAT 049 Drill holes in soft surface, 1" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.00852 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 050 Drill holes in soft surface, 4" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.02232 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 051 Drill holes in soft surface, 6" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.03152 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 052 Drill holes in soft surface, 10" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.04992 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 054 Drill holes in medium surface, 1" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.01342 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 055 Drill holes in medium surface, 4" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.04192 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 056 Drill holes in medium surface, 6" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.06092 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 057 Drill holes in medium surface, 10" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.09891 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 058 Drill holes in hard surface, 1" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.02452 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 059 Drill holes in hard surface, 4" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.08631 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 060 Drill holes in hard surface, 6" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.12752 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

QAT 061 Drill holes in hard surface, 10" deep and treat with insecticide (sub slab injector).

000.07741 hours per JOB SETUP TIME

000.20992 hours per holes to drill

000.00164 hours per quarts of insecticide per hole

Structural Pests - TERMITE (Subterranean) - TRENCHING
Loose or sandy soil - heavy or clay soil.
Tasks include: digging trench, applying insecticide, and back-filling trench. Filling of insecticide tank is also included.

TASK TIME STANDARDS LISTING

QAT062	Loose or SANDY soil,	Outside perimeter	Foundation wall
QAT063	Loose or SANDY soil,	Inside perimeter	Foundation wall
QAT064	Heavy or CLAY soil,	Outside perimeter	Foundation wall
QAT065	Heavy or CLAY soil,	Inside perimeter	Foundation wall

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 062 Dig trench in sandy soil, apply insecticide, and backfill trench - outside perimeter of foundation wall.

000.06004 hours per JOB SETUP TIME

000.02354 hours per linear feet of trench to dig

QAT 063 Dig trench in sandy soil, apply insecticide, and backfill trench - of inside perimeter of foundation wall.

000.06004 hours per JOB SETUP TIME

000.03170 hours per linear feet of trench to dig

QAT 064 Dig trench in heavy/dense soil, apply insecticide, and backfill trench - outside perimeter of foundation wall.

000.06004 hours per JOB SETUP TIME

000.03606 hours per linear feet of trench to dig

QAT 065 Dig trench in heavy/dense soil, apply insecticide, and backfill trench - inside perimeter of foundation wall.

000.06004 hours per JOB SETUP TIME

000.04422 hours per linear feet of trench to dig

Structural Pests: TERMITES (Subterranean) - VERTICAL RODDING
Filling of insecticide tank is included.

TASK TIME STANDARDS LISTING

QAT066	Light sandy soil,	18" between insertions
QAT067	Medium soil,	12" between insertions
QAT068	Heavy soil,	6" between insertions
QAT071	Termite pre-treatment of soil UNDER QUARTERS landing (porches, steps, etc.)	

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 066 Apply insecticide in light/sandy soil using vertical rodding.

000.10044 hours per JOB SETUP TIME

000.00047 hours per linear feet per insertion

000.00149 hours per quarts per insertion

QAT 067 Apply insecticide in medium soil using vertical rodding.

000.10044 hours per JOB SETUP TIME

000.00047 hours per linear feet per insertion

000.00254 hours per quarts per insertion

QAT 068 Apply insecticide in heavy soil using vertical rodding.

000.10044 hours per JOB SETUP TIME

000.00048 hours per linear feet per insertion

000.00588 hours per quarts per insertion

QAT 071 Termite pretreatment of soil fill under quarter's landing.

000.17848 hours per landings pretreated

OUTDOOR PESTS: Rodents, Birds, etc.

TASK TIME STANDARDS LISTING

QAT072	FIRE ANTS	Provide pest control services for fire ants
QAT077	MANHOLE TREAT	Treat manholes for roaches
QAT074	SET SQUIRREL TRAPS	Set ground squirrel (gopher) trap
QAT075	CHECK SQUIRREL TRAPS	Check ground squirrel (gopher) trap
QAT076	SET LIVE TRAPS	Live trapping of small animals
QAT096	SET BIRD TRAPS	Inspect warehouse for pidgeons & other birds; set traps as required
QAT097	CHECK BIRD TRAPS	Check trap & dispose of pidgeons & birds.

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 072 Fire ant extermination with poisoned food bait.

000.00403 hours per mounds of fire ants to be poisoned

QAT 077 Treatment of manholes for roaches.

000.14838 hours per manholes to treat

QAT 074 Set ground squirrel (gopher) trap.

000.08637 hours per ground squirrel (gopher) traps to set

QAT 075 Check ground squirrel (gopher) trap.

000.13937 hours per ground squirrel (gopher) traps to check

QAT 076 Live trapping small animals.

000.05161 hours per small animal live traps to set

QAT 096 Inspect warehouse for pidgeons and set traps as required.

000.18984 hours per JOB SETUP TIME

000.00564 hours per pidgeon traps to set

QAT 097 Check bird trap for pidgeons caught and dispose of.

000.00225 hours per pidgeon traps to check

000.07181 hours per birds to dispose of

VEGETATION PROTECTION: Ornamental Shrubbery - Spray.

TASK TIME STANDARDS LISTING

QAT079	Plants	to 2 ft. dia. &	2 ft.	high
QAT080	Plants	to 2 ft. dia. &	2-4 ft.	high
QAT081	Plants	to 2 ft. dia. &	4-6 ft.	high
QAT082	Plants	to 2 ft. dia. &	6-8 ft.	high
QAT083	Plants	2-4 ft. dia. &	2 ft.	high
QAT084	Plants	2-4 ft. dia. &	2-4 ft.	high
QAT085	Plants	2-4 ft. dia. &	4-6 ft.	high
QAT086	Plants	2-4 ft. dia. &	6-8 ft.	high
QAT087	Plants	2-4 ft. dia. &	8-10 ft.	high
QAT088	Plants	4-6 ft. dia. &	2 ft.	high
QAT089	Plants	4-6 ft. dia. &	2-4 ft.	high
QAT090	Plants	4-6 ft. dia. &	4-6 ft.	high
QAT091	Plants	4-6 ft. dia. &	6-8 ft.	high
QAT092	Plants	4-6 ft. dia. &	8-10 ft.	high
QAT093	Plants	4-6 ft. dia. &	10-12 ft.	high
QAT094	Replenish hydraulic sprayer tank.			

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 079 Treat ornamental shrubbery up to and including 2' high and up to and including 2' in diameter by spraying. Using a vehicle draw hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.02789 hours per shrubs to treat

QAT 080 Treat ornamental shrubbery over 2' thru 4' high and up to and including 2' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.05429 hours per shrubs to treat

QAT 081 Treat ornamental shrubbery over 4' thru 6' high and up to and including 2' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.08069 hours per shrubs to treat

QAT 082 Treat ornamental shrubbery over 6' thru 8' high and up to and including 2' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.10709 hours per shrubs to treat

QAT 083 Treat ornamental shrubbery up to and including 2' high and over 2' thru 4' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.03009 hours per shrubs to treat

QAT 084 Treat ornamental shrubbery over 2' thru 4' high and over 2' thru 4' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.06089 hours per shrubs to treat

QAT 085 Treat ornamental shrubbery over 4' thru 6' high and over 2' thru 4' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.09169 hours per shrubs to treat

QAT 086 Treat ornamental shrubbery over 6' thru 8' high and over 2' thru 4' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.12249 hours per shrubs to treat

QAT 087 Treat ornamental shrubbery over 8' thru 10' high and over 2' thru 4' in diameter by spraying, using a vehicle drawn hydrauli power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.15329 hours per shrubs to treat

QAT 088 Treat ornamental shrubbery up to and including 2' high and over 4' thru 6' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.03339 hours per shrubs to treat

QAT 089 Treat ornamental shrubbery over 2' thru 4' high and over 4' thru 6' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.07078 hours per shrubs to treat

QAT 090 Treat ornamental shrubbery over 4' thru 6' high and over 4' thru 6' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.10819 hours per shrubs to treat

QAT 091 Treat ornamental shrubbery over 6' thru 8' high and over 4' thru 6' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.14559 hours per shrubs to treat

QAT 092 Treat ornamental shrubbery over 8' thru 10' high and over 4' thru 6' in diameter by spraying, using a vehicle drawn hydraulic power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.18299 hours per shrubs to treat

QAT 093 Treat ornamental shrubbery over 10' thru 12' high and over 4' thru 6' in diameter by spraying, using a vehicle drawn hydrauli power sprayer. 2 men.

000.97658 hours per JOB SETUP TIME

000.22039 hours per shrubs to treat

QAT 094 Replenish trailer mounted hydraulic power sprayer tank, utilizing on-site water supply and on-hand chemicals. 2 men.

000.29968 hours per trips in field

Disease Carrying Pests: Flies and Mosquitoes (Adult Stage).
Note: Flies - Includes treatment of landfill and dempster dumpsters.

TASK TIME STANDARDS LISTING

QAT098	FLIES	1 GPM	TREAT - Landfill for
QAT099	FLIES	2 GPM	TREAT - Landfill for
QAT100	FLIES	3 GPM	TREAT - Landfill for
QAT101	FLIES	4 GPM	TREAT - Landfill for
QAT102	FLIES	5 GPM	TREAT - Landfill for
QAT078	FLIES		TREAT - Dumpster for
QAT103	MOSQUITOES-adult	10 MPH-per acre	TREAT - using U.L.V 10 MPH avg. truck speed
QAT104	MOSQUITOES-adult	5 MPH-per acre	TREAT - using U.L.V. 5 MPH avg. truck speed
QAT105	MOSQUITOES-adult	10 MPH-per mile	TREAT - using U.L.V. 10 MPH avg. truck speed
QAT106	MOSQUITOES-adult	5 MPH-per mile	TREAT - using U.L.V. 5 MPH avg. truck speed

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

QAT 098 Treat 1000 square feet of landfill for flies by spraying with a hand held nozzle at 1 GPM using a vehicle drawn hydraulic power sprayer (based on an application rate of 1 gallon of finished spray per 1000 square feet).

000.32288 hours per JOB SETUP TIME

000.03334 hours per 1000 square feet of landfill to treat

QAT 099 Treat 1000 square feet of landfill for flies by spraying with a hand held nozzle at 2 GPM using a vehicle drawn hydraulic power sprayer (based on an application rate of 1 gallon of finished spray per 1000 square feet).

000.32288 hours per JOB SETUP TIME

000.01668 hours per 1000 square feet of landfill to treat

QAT 100 Treat 1000 square feet of landfill for flies by spraying with a hand held nozzle at 3 GPM using a vehicle drawn hydraulic power sprayer (based on an application rate of 1 gallon of finished spray per 1000 square feet).

000.32288 hours per JOB SETUP TIME

000.01112 hours per 1000 square feet of landfill to treat

QAT 101 Treat 1000 square feet of landfill for flies by spraying with a hand held nozzle at 4 GPM using a vehicle drawn hydraulic power sprayer (based on an application rate of 1 gallon of finished spray per 1000 square feet).

000.32288 hours per JOB SETUP TIME

000.00834 hours per 1000 square feet of landfill to treat

QAT 102 Treat 1000 square feet of landfill for flies by spraying with a hand held nozzle at 5 GPM using a vehicle drawn hydraulic power sprayer (based on an application rate of 1 gallon of finished spray per 1000 square feet).

000.32288 hours per JOB SETUP TIME

000.00666 hours per 1000 square feet of landfill to treat

QAT 078 Treatment of dempster dumpster for flies.

000.02583 hours per dempster dumpsters to treat

QAT 103 Treat 100 acre area for adult mosquitos using U.L.V. (ultra low volume) equipment at an average speed of 10 M.P.H. (based on 300' swath coverage).

000.02460 hours per JOB SETUP TIME

000.28232 hours per 100 acres to treat

QAT 104 Treat 100 acre area for adult mosquitos using U.L.V. (ultra low volume) equipment at an average speed of 5 MPH (based on 300' swath coverage).

000.02460 hours per JOB SETUP TIME

000.56141 hours per 100 acres to treat

QAT 105 Treat 1 mile course for adult mosquitos using U.L.V. (ultra low volume) equipment at an average speed of 10 MPH.

000.02460 hours per JOB SETUP TIME

000.10278 hours per miles to treat

QAT 106 Treat 1 mile course for adult mosquitos using U.L.V. (ultra low volume) equipment at an average speed of 5 MPH.

000.02460 hours per JOB SETUP TIME

000.20446 hours per miles to treat

DEBRIS: REMOVAL
Soil, sand, gravel, concrete, rubble, or equivalent materials.
Tasks include: load, unload, and remove material by hand shovel using skip, lugger bucket, truck, large container or wheelbarrow
Note: Time was developed on the basis of: 20 shovelfules per wheelbarrow load, one lever wheelbarrow load equals three cubic feet, nine wheelbarrow loads (180 shovelfuls)

TASK TIME STANDARDS LISTING

ST 001	Clean up by	hand shoveling into	TRUCK	or CONTAINER
ST 002	Clean up by	hand shoveling into	WHEELBARROW	& dump into CONTAINER

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

ST 001 Debris, clear by hand shoveling into container.

001.12492 hours per cubic yards of debris to clear

ST 002 Debris, clear by hand shoveling into wheelbarrow and dumping into container.

000.42589 hours per cubic yards of debris to clear

REFUSE: Dempster Dumpster, Dumpmaster, Dinosaur, Garbage Can - Collection and Disposal.
Dempster dumpster system: 6, 8 or 10 cubic yards. The container are lifted on to the rear of truck chassis, transported to the disposal area, dumped, returned to pick up point & released.
Dempster dumpmaster system: 8 cubic yards. The containers are lifted by front mounted fork mechanism, dumped into compaction truck and released to the ground. Compaction truck unloads at disposal site after average pick up of 23 containers.
Dempster dinosaur system: 30 or 40 cubic yards. The containers are pulled onto truck chassis, transported to the disposal area dumped and returned to pick up area and released. Time is applicable to other similar or equivalent type systems.
Note: Travel time between container pick ups or for round trip travel time to the disposal site is not included.

TASK TIME STANDARDS LISTING

ST 012	can - FRONT DOOR	SERVICE		(Dump in loadpacker, unload at disposal site) INDIVIDUALLY LOCATED 32 gal cans
ST 013	can - FRONT DOOR	SERVICE		(Dump in loadpacker, unload at disposal site) TWO CANS ADJACENT 32 gal cans
ST 011	can - CURB	SERVICE		(Dump in loadpacker, unload at disposal site) TWO CANS ADJACENT 32 gal cans
ST 010	can - CURB	SERVICE		(Dump in loadpacker, unload at disposal site) INDIVIDUALLY LOCATED 32 gal cans
ST 003	DUMPSTER	SERVICE	6,8,10 cu. yds	(Pickup,unload,return &release
ST 004	DUMPSTER	CLEAN	6,8,10 cu. yds	(Steam clean)
ST 005	DUMPSTER	CLEAN	6,8,10 cu. yds	(Pickup, unload, steam clean, return and release)
ST 006	DUMPSTER	SERVICE	8 cu. yds	(Dump in dynamaster compactor and release to ground)
ST 007	DUMPSTER	CLEAN	8 cu. yds	(Steam clean dumpmaster container)
ST 008	DUMPMSTER	SERVICE	30,40 cu. yds	(Pickup,unload at disposal area return and release)
ST 009	DUMPSTER	CLEAN	30,40 cu. yds	(Steam clean dinosaur container)

ST 012 Refuse, pick up 32 gallon cans, individually located, unload into loadpacker and unload at disposal area, front door service

000.02384 hours per 32-gallon cans to pick up and unload

ST 013 Refuse, pick up 32 gallon cans, two cans located adjacent to each other, unload into loadpacker and unload at disposal area, front door service.

000.01482 hours per 32-gallon cans to pick up and unload

ST 011 Refuse, pick up 32 gallon cans, two cans adjacent to each other, unload into loadpacker and unload at disposal area, curb service. Travel time not included.

000.00945 hours per 32-gallon cans to pick up and unload

ST 010 Refuse, pick up 32 gallon cans, individually located, unload into loadpacker, unload at disposal area, curb service.

000.01133 hours per 32-gallon cans to pick up and unload

ST 003 Pick up, unload, and release dempster dumpster containers. (6, 8, 10, cubic yard containers).

000.11954 hours per dempster dumpsters to unload

ST 004 Steam clean interior of dempster dumpster containers. (6, 8, or 10 cubic yards).

000.07611 hours per dempster dumpsters to clean

ST 005 Pick up, unload, steam clean, return, and release dempster dumpster containers. (6, 8, 10 cubic yards).

000.19566 hours per dempster dumpsters to unload and clean

ST 006 Refuse, collect 8 cubic yard dempster dumpster containers (or equal system) with front end compactor (dynamaster system) unload compactor at service owned disposal site.

000.05637 hours per dempster dumpsters to unload

ST 007 Steam clean interior of dempster dumpster containers. (8 cubic yard containers).

000.07611 hours per dempster dumpsters to clean

ST 008 Refuse, pick up, unload at disposal area, and return 30 or 40 cubic yard containers.

000.31710 hours per dinosaur containers to pick up and unload

ST 009 Steam clean 30 to 40 cubic yard dinosaur containers.

000.29020 hours per dinosaur containers to clean

Clean PARKING DECK using an 8 H>P> gas powered AIR BLOWER. The blower is puched/pulled over the parking deck blowing 5 FT. WIDE STRIP AREAS clean of dirt & debris. The air blower is used to clean dry or wet parking deck surfaces. For WET CLEANING, prior to use of the blower, the parking deck surface is WATERED BY SPRAYING WITH A HOSE until amply wet. The hose is moved to another bibb during wetting of the parking deck. LARGE DEBRIS such as cups, paper, cardboard, etc. IS PICKED UP & disposed of prior to the blower cleaning. The REMAINING DEBRIS IS BLOWN INTO PILES USING THE BLOWER & swept, shoveled, and bagged.

TASK TIME STANDARDS LISTING

WT 077 WET BLOWER SWEEP PARKING DECK push 8 HP unit, includes prewatering, hand sweep stairs, & debris removal
WT 078 DRY BLOWER SWEEP PARKING DECK push 8 HP unit, includes hand sweep stairs, & debris removal

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

WT 077 BLOWER SWEEP PARKING DECK PER 1000 SQ.FT.USING 8 H.P.GAS POWERED PUSH BLOWER. (Includes: large debris - cups,paper,etc. - picked up prior to blower sweeping; hand broom sweeping of stairwells; prewater - water parking deck surface by spraying with a hose; push/pull blower over parking deck cleaning 5 ft. wide strips; remaining debris blown into piles & swept, shoveled, & bagged)

000.06672 hours per 1000 SQFT AREAS OF PARKING DECK

WT 078 BLOWER SWEEP DRY PARKING DECK PER 1000 SQ.FT. USING 8 H.P. GAS POWERED PUSH BLOWER. (Includes: large debris - cups,paper,etc. picked up prior to blower sweeping; hand broom sweeping of stairwells; push/pull blower over parking deck surface cleaning 5 ft. wide strips; remaining debris blown into piles & swept, shoveled, & bagged)

000.01516 hours per 1000 SQFT AREAS OF PARKING DECK

Machine sweep/sweep and vaccum higway or road with riding machine sweeping vehicle. Sweeping width is 98 inches.

TASK TIME STANDARDS LISTING

RT 083 Machine Sweep road
RT 084 Machine Sweep and Vacuum road

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

RT 083 Sweep highway or road with Riding Sweeper Machine (sweeper's width 98")
Includes: fill spray tank with water and sweep road or highway

000.30338 hours per miles

RT 084 Sweep and vacuum highway or road with Riding Sweeper Machine (sweeper's width 98")
Includes: fill spray tank with water; sweep and vacuum road highway

000.18988 hours per miles

TASK TIME STANDARDS DEVELOPMENT BACKUP

RT 001 1 BORE HOLE 28" DEEP, 9" DIA. FOR FENCE POST - EACH 10FT APART XXX
2 READY MIXED CONCRETE OBTAIN FULL WHEELBARROW XXX
3 INSTALL FENCE POST (10-1/2 FT X 1-1/2" DIA) IN HOL E (28" X 9" DIA, 10FT APART) X
4 CYCLONE FENCE, 50FT X 8FT ROLL, TRANSPORT 50FT
5 CONNECT TWO, 50FT X 8FT FENCES WITH ONE 8FT FENCE STRAND
6 SECURE FOUR 3" CLAMPS AND BOLTS CONNECTING POST AN AND BAR IN FENCE
7 ATTACH CYCLONE FENCE 50FT X 8FT TO POST

RT 002 1 BORE HOLE 28" DEEP, 9" DIAMETER FOR FENCE POST - E ACH 10FT APART
2 READY MIXED CONCRETE, OBTAIN FULL WHEELBARROW
3 INSTALL FENCE POST, 10-1/2FT LONG X 1-1/2FT DIA IN HOLE (28" X 9") 10FT APART
4 CYCLONE FENCE, 50FT X 8FT ROLL, TRANSPORT 50FT
5 CONNECT TWO 50FT X 8FT FENCES WITH ONE 8FT FENCE S TRAND
6 SECURE FOUR 3" CLAMPS AND BOLTS CONNECTING POST AN D BAR IN FENCE
7 ATTACH CYCLONE FENCE 50FT X 8FT TO POST
8 BORE HOLE WITH MECHANICAL EARTH BORER (3FT DEEP, U P TO 18" DIA.)
9 READY MIX CONCRETE, OBTAIN FULL WHEELBARROW
10 CYCLONE GATE, 10FT X 8FT , INSTALL POST 6" DIA. IN HOLE
11 SECURE END OF FENCE TO GATE POST

RT 003 1 CYCLONE GATE, 10FT X 8FT , INSTALL POST 6" DIA. IN HOLE
2 BORE HOLE WITH MECHANICAL EARTH BORER (3FT DEEP, U P TO 18" DIA.)
3 READY MIX CONCRETE, OBTAIN FULL WHEELBARROW
4 SECURE END OF FENCE TO GATE POST

RT 004 1 GATES 10FT X 8FT , INSTALL POST 6" DIA. IN HOLE
2 BORE HOLE WITH MECHANICAL EARTH BORER (3FT DEEP, U P TO 18" DIA.)
3 READY MIX CONCRETE, OBTAIN FULL WHEELBARROW
4 SECURE END OF FENCE TO GATE POST

RT 005 1 BORE HOLE, 28" DEEP, 9" DIAMETER FOR PERSONNEL GAT E
2 READY MIXED CONCRETE, OBTAIN FULL WHEELBARROW
3 GATE, PERSONNEL, 7FT HIGH, 3FT WIDE, INSTALL
4 SECURE CYCLONE FENCE TO POST

RT 006 1 DIG HOLE DITCH OR TRENCH BY HAND

RT 007 1 BACKFILL BY HAND (8 SHOVELFULS = 1 CU. FT.)

RT 008 1 BACKFILL BY HAND (8 SHOVELFULS = 1 CU. FT.)
2 DIG HOLE, TRENCH, OR DITCH BY HAND

RT 009 1 BORE HOLE WITH MECHANICAL EARTH BORER (7FT DEEP, UP TO 24" DIAMETER) - AVERAGE OR SANDY SOIL CONDITI
2 MOVE TRUCK TO NEW LOCATION IN SAME AREA (UP TO 200 FT AWAY)

RT 010 1 BORE HOLE WITH MECHANICAL EARTH BORER (7FT DEEP, UP TO 24" DIAMETER) AVERAGE OR SANDY SOIL - 2 MEN
2 BACKFILL AND HAND TAMP AROUND POLE - 2 MEN
3 MOVE TRUCK TO NEW LOCATION IN SAME AREA (UP TO 200 FT.)

RT 011 1 BORE HOLE, 30" DEEP, 10" DIAMETER WITH TRUCK MOUNTED AUGER, AVERAGE/SANDY SOIL (2 MEN)
2 BACKFILL 30" DEEP, 10" DIAMETER HOLE WITH CONCRETE, SETTLE CONCRETE, COVER WITH SOIL AND SMOOTH/GRAD

RT 012 1 BORE HOLE 30" DEEP, 10" DIAMETER WITH TRACTOR MOUNTED AUGER; AVERAGE - SANDY SOIL, 2 MEN
2 BACKFILL 30" DEEP, 10" DIAMETER HOLE WITH CONCRETE, SETTLE CONCRETE, COVER WITH SOIL AND GRADE/SMOOT

RT 013 1 BORE HOLE WITH TRUCK MOUNTED AUGER, AVERAGE OR SANDY SOIL, 2 MEN
2 BACKFILL AND TAMP AROUND HOLE

RT 014 1 BORE 30" DEEP, 10" DIAMETER HOLE WITH MECHANICAL AUGER, SANDY OR AVERAGE SOIL, 2 MEN
2 BACKFILL AND TAMP AROUND HOLE

RT 015 1 BORE HOLE WITH MECHANICAL EARTH BORER (7FT DEEP, UP TO 24" DIAMETER) AVERAGE OR SANDY SOIL - 2 MEN
2 BACKFILL WITH EARTH AND/OR ROCK AND TAMP AROUND ANCHOR HOLE
3 CUT ANCHOR ROD RECESS ALONG SIDE OF HOLE
4 MOVE TRUCK TO NEW LOCATION IN SAME AREA (UP TO 200 FT)

RT 016 1 DIG HOLE BY HAND
2 BACKFILL AND HAND TAMP AROUND POLE
3 WALK TO NEXT HOLE LOCATION (100 FT.)

RT 017 1 DIG HOLE BY HAND
2 BACKFILL WITH EARTH AND/OR ROCK AND TAMP AROUND ANCHOR HOLE
3 CUT ANCHOR ROD RECESS ALONG SIDE OF HOLE
4 WALK TO NEXT HOLE (100 FT.)

RT 018 1 LEVEL AND GRADE UP TO 3" OF DIRT WITH HAND TOOLS

RT 019 1 EMPTY 100 POUND BAG OF FERTILIZER INTO SPREADER AN
D COLLECT EMPTY BAGS TO DEPOSIT AT PICK UP POINT;
2 SPREAD FERTILIZER

RT 020 1 EMPTY 100 LB BAG OF FERTILIZER INTO SPREADER AND C
OLLECT EMPTY BAGS TO DEPOSIT AT PICK UP POINT; ONE
2 SPREAD FERTILIZER
3 WATER AFTER FERTILIZATION

RT 021 1 EMPTY 100 POUND BAG OF FERTILIZER INTO SPREADER AN
D COLLECT EMPTY BAGS TO DEPOSIT AT PICK UP POINT;
2 SPREAD FERTILIZER

RT 022 1 EMPTY 100 LB BAG OF FERTILIZER INTO SPREADER AND C
OLLECT EMPTY BAGS TO DEPOSIT AT PICK UP POINT; ONE
2 SPREAD FERTILIZER
3 WATER AFTER FERTILIZATION

RT 023 1 SPREAD HAY FOR MULCHING USING BLOWER TYPE SPREADER
36 BALES PER TRUCK LOAD 12,600 SQ. FT.

RT 024 1 SET UP AND INSPECT SOD CUTTING MACHINE
2 CUT SOD WITH MACHINE AND REMOVE
3 LOAD AND UNLOAD SOD FROM TRUCK AND PLANT SOD IN SQ
UARE FOOT SECTIONS

RT 025 1 CUT SOD, HAND METHOD, AND REMOVE
2 LOAD AND UNLOAD SOD FROM TRUCK AND PLANT SOD IN SQ
UARE FOOT SECTIONS

RT 026 1 SET UP AND INSPECT SOD CUTTING MACHINE
2 CUT SOD WITH MACHINE AND REMOVE
3 LOAD AND UNLOAD "N" SQ. FT. OF SOD FROM TRUCK
4 CUT "N" SQ. FT. OF SOD INTO 1-1/2" STRIPS BY HAND
5 PREPARE SOIL AND PLANT SOD CUT INTO 1-1/2" STRIPS

RT 027 1 CUT SOD, HAND METHOD, AND REMOVE
2 LOAD AND UNLOAD SOD FROM TRUCK
3 CUT SOD INTO 1-1/2" STRIPS BY HAND
4 PREPARE SOIL AND PLANT "N" SQ. FT. OF SOD CUT INTO
1-1/2" STRIPS

RT 028 1 PREPARE GROUND FOR PLANTING STOLONS
2 PLANT BERMUDA OR BUFFALO GRASS STOLONS

RT 029 1 PREPARE GROUND FOR PLANTING SPRIGS
2 PLANT BERMUDA GRASS SPRIGS

RT 030 1 WATER BY HAND

RT 031 1 MOVE SPRINKLER TO NEW AREA
2 HOOK UP ONE HOSE AND MOVE ONE SPRINKLER
3 WATER BY HAND

RT 032 1 WATER LAWN AREA
2 HOOK UP 1 SOAKER HOSE

RT 033 1 MOVE SPRINKLER TO NEW AREA
2 WATER 1500 SQ. FT. AREA
3 HOOK UP HOSES AND MOVE SPRINKLERS

RT 034 1 WATER LAWN AREA PER 3300 SQ. FT.
2 OPEN AND CLOSE VALVE

RT 035 1 START AND STOP MOWER ONCE PER 30,000 SQ FT
2 SAFETY GOGGLES, PUT ON AND REMOVE ONCE PER 30,0001 SQ FT
3 MOW 1000 SQ. FT. OF LAWN, IMPROVED AREA, UNOBSTRUCTED, WITH DUAL ROTARY BLADE, 72" CUT, RIDING MOWER

RT 036 1 START AND STOP MOWER ONCE ER 30,000 SQ FT
2 SAFETY GOGGLES, PUT ON AND REMOVE ONCE PER 30,000 SQ FT
3 MOW 1000 SQ. FT. OF LAWN, IMPROVED AREA, MEDIUM OBSTRUCTED, WITH DUAL ROTARY BLADE, 72" CUT, RIDING

RT 037 1 START AND STOP MOWER ONCE PER 30,000 SQ FT
2 SAFETY GOGGLES, PUT ON AND REMOVE ONCE PER 30,000 SQ FT
3 MOW 1000 SQ. FT. OF GRASS, IMPROVED AREA HEAVILY OBSTRUCTED, WITH DUAL ROTARY BLADE, 72" CUT, RIDING

RT 038 1 START AND STOP MOWER ONCE PER 30,000 SQ FT
2 PUT ON AND REMOVE SAFETY GOGGLES ONCEW PER 30,000 SQ FT
3 MOW LAWN (IMPROVED AREA) UNOBSTRUCTED, WITH 21" ROTARY BLADE PUSH MOWER

RT 039 1 START AND STOP MOWER ONCE PER 30,000 SQ FT
2 PUT ON AND REMOVE SAFETY GOGGLES ONCE PER 30,000 SQ FT
3 MOW LAWN (IMPROVED AREA) OBSTRUCTED, WITH 21" ROTARY BLADE PUSH MOWER

RT 040 1 START AND STOP MOWER ONCE PER 1000 LF
2 PUT ON AND REMOVE SAFETY GOGGLES ONCE PER 1000 LF
3 TRIM - MOW AROUND BUILDINGS, ALONG DITCHES, SIDEWALKS, CULVERTS, WHERE RIDING MOWER CANNOT REACH

RT 041 1 START AND STOP MOWER ONCE PER 5 ACRES
2 SAFETY GOGGLES, PUT ON AND REMOVE ONCE PER 2 ACRES
3 MOW 1 ACRE OF IMPROVED AREA, RECREATION OR PARADE GROUNDS, WITH 128" CUT, 5 GANG REEL MOWER, TRACTOR

RT 042 1 START AND STOP MOWER ONCE PER 5 ACRES
2 SAFETY GOGGLES, PUT ON AND REMOVE ONCE PER 2 ACRES
3 MOW 1 ACRE OF IMPROVED AREA, RECREATIONAL OR PARADE GROUNDS

RT 043 1 START AND STOP MOWER ONCE PER 5 ACRES
2 SAFETY GOGGLES, PUT ON AND REMOVE ONCE PER 2 ACRES
3 MOW 1 ACRE OF SEMI-IMPROVED AREA WITH 90" CUT, TRACTOR DRAWN, ROTARY BLADE MOWER

RT 044 1 START AND STOP MOWER ONCE PER 5 ACRES
2 SAFETY GOGGLES PUT ON AND REMOVE ONCE PER 2 ACRES
3 MOW 1 ACRE OF SEMI-IMPROVED AREA WITH 48" CUT, TRACTOR DRAWN, HAMMER KNIFE MOWER

RT 045 1 OBTAIN TOOLS, CLEAN AND PUT AWAY
2 PREPARE ERODED BANK TO RECEIVE STONE
3 OBTAIN AND LAY STONE ON PREPARED BANK FOR RIP RAP WALL (2 CU. FT. STONE = 1 SQ. FT. SURFACE)
4 PREPARE GROUND AND CONSTRUCT RIP RAP WALL

RT 046 1 LOAD AND UNLOAD STEPPING STONES
2 POSITION STEPPING STONES ABOUT GROUND LEVEL
3 AVERAGE OBSTRUCTIONS AND WALKING

RT 047 1 RAKE LEAVES AND DEBRIS FROM LAWN OR IMPROVED GROUNDS, BAG AND PLACE AT CURBSIDE
2 OBTAIN AND RETURN TOOLS

RT 048 1 RAKE LEAVES AND DEBRIS FROM MIXED FLOWER AND SHRUB BEDS, BAG AND PLACE AT CURBSIDE
2 OBTAIN AND RETURN TOOLS

RT 049 1 RAKE LEAVES AND DEBRIS FROM SHRUB BEDS (NO FLOWERS), BAG AND PLACE AT CURBSIDE
2 OBTAIN AND RETURN TOOLS

RT 050 1 CULTIVATE MIXED FLOWER AND SHRUB BEDS
2 OBTAIN AND RETURN TOOLS

RT 051 1 CULTIVATE SHRUB BEDS (NO FLOWERS)
2 OBTAIN AND RETURN TOOLS

RT 052 1 OBTAIN AND RETURN TOOLS FOR RAKING AND CULTIVATING
2 RAKE LEAVES AND DEBRIS FROM MIXED FLOWER AND SHRUB BEDS, BAG AND PLACE AT CURBSIDE
3 CULTIVATE MIXED FLOWER AND SHRUB BEDS

RT 053 1 OBTAIN AND RETURN TOOLS FOR TAKING AND CULTIVATING
2 RAKE LEAVES AND DEBRIS FROM SHRUB BEDS (NO FLOWERS), BAG AND PLACE AT CURBSIDE
3 CULTIVATE SHRUB BEDS (NO FLOWERS)

RT 054 1 SHRUB, TRIM HAND SHEARS, NO LADDER
2 CUTTINGS, RAKE AND DISPOSE OF

RT 055 1 SHRUB TIME, HAND SHEARS, NO LADDER, CUTTING TIME O NLY
2 CUTTINGS, RAKE AND DISPOSE
3 LADDER, PICK UP AND LAY DOWN, OPEN AND CLOSE, CLIM B UP AND DOWN AND MOVE TO NEW LOCATION

RT 056 1 TRIMMER, GASOLINE, START AND STOP
2 TRIMMER, GASOLINE, FILL WITH
3 GOGGLES (SAFETY) POSITION ON FACE AND REMOVE
4 TRIMMER, PORTABLE GASOLINE, TRIM EDGES OF LAWN CUT TING TIME ONLY

RT 057 1 GENERATOR START AND STOP
2 TRIMMER, PORTABLE, ELECTRIC, SET UP CORDS AND GROU ND
3 TRIMMER, PORTABLE, ELECTRIC, TRIM EDGES OF LAWNS C UTTING TIME ONLY
4 GENERATOR, MOVE 100 FT.
5 POSITION GOGGLES ON FACE AND REMOVE * ADDED 6/88 J LB - ASSUMPTION: SAFTEY REQUIREMENT

RT 058 1 HEDGE, TRIM WITH HAND SHEARS, CUTTING TIME ONLY, N O LADDER
2 CUTTINGS, RAKE AND DISPOSE
3 LADDER, PICK UP AND LAY DOWN, OPEN AND CLOSE, CLIM B UP AND DOWN, AND MOVE TO NEW LOCATION
4 POSITION SAFTEY GOGGLES ON FACE AND REMOVE * ADDED 6/88 JLB - ASSUMPTION: SAFETY REQUIREMENT

RT 059 1 HEDGE TRIM WITH HAND SHEARS, CUTTING TIME ONLY, NO LADDER
2 CUTTINGS, RAKE AND DISPOSE
3 POSITION SAFTEY GOGGLES ON FACE AND REMOVE * ADDED 6/88 JLB - ASSUMPTION: SAFTEY REQUIREMENT

RT 060 1 HEDGE TRIM WITH ELECTRIC TRIMMER, CUTTING TIME ONL Y, USE LADDER
2 CUTTINGS, RAKE AND DISPOSE
3 GENERATOR MOVE 100 FT
4 LADDER, PICK UP AND LAY DOWN, OPEN AND CLOSE, CLIM B UP AND DOWN AND MOVE TO NEW LOCATION
5 START AND STOP GENERATOR * ADDED 6/88 JLB - ASSUMP TION: REQUIRED WORK AS * COMPARED TO RT-57
6 SET UP CORDS AND GROUND FOR PORTABLE ELECTRIC TRIM MER * ADDED 6/88 JLB - ASSUMPTION: REQUIRED WORK
7 POSITION GOGGLES ON FACE AND REMOVE *ADDED 6/88 JL B - ASSUMPTION: SAFTEY REQUIREMENT

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RT  061  1 HEDGE TRIM WITH ELECTRIC TRIMMER, NO LADDER
         2 CUTTINGS, RAKE AND DISPOSE
         3 GENERATOR MOVE 100 FT.
         4 START AND STOP GENERATOR * ADDED 6/88 JLB - ASSUMP
           TION: REQUIRED WORK AS * COMPARED TO RT-57
         5 SET UP CORDS AND GROUND FOR PORTABLE ELECTRIC TRIM
           MER * ADDED 6/88 JLB - ASSUMPTION:  REQUIRED WORK
         6 POSITION GOGGLES ON FACE AND REMOVE * ADDED 6/88 J
           LB - ASSUMPTION: SAFTEY REQUIREMENT

RT  062  1 WALK TO AND FROM TRUCK
         2 OBTAIN TOOLS AND SIGN FROM TRUCK/REPLACE TOOLS
         3 MARK SCREW HOLES ON CONCRETE BLOCK WALL AND DRILL
           HOLES
         4 REAM HOLES IN CINDER BLOCK WALL USING DRILL *2 INC
           H DEPTH X 4 HOLES
         5 INSERT ANCHORS
         6 POSITION SIGN
         7 SCREW IN SIGN

RT  063  1 OBTAIN SIGN AND TOOLS - SCREWDRIVER AND WRENCH
         2 PLACE SCREW, TIN BACKING AND NUT ON SIGN AND POST
         3 TIGHTEN WITH WRENCH AND SCREWDRIVER
         4 REPLACE SCREWDRIVER AND WRENCH

RT  064  1 OBTAIN FOLDING RULE, OPEN, CLOSE AND RETURN
         2 MEASURE AND MARK SIGN POSTS FOR SAWING
         3 OBTAIN AND RETURN SAW, POST HOLE DIGGER AND SHOVEL
         4 HAND SAW EXCESS OFF SIGN POSTS
         5 LOAD SIGN ON TRUCK
         6 REMOVE SIGN FROM TRUCK AND LAY ASIDE
         7 MEASURE AND MARK DISTANCE TO BE DUG ON POST HOLE D
           IGGER
         8 DIG POST HOLE
         9 MEASURE AND MARK LOCATION OF SECOND POST HOLE
        10 RAISE SIGN AND PLACE IN POST HOLES
        11 LEVEL SIGN IN POST HOLE USING EXCESS DIRT
        12 MIX CONCRETE
        13 SHOVEL CONCRETE INTO POST HOLES
        14 VIBRATE POSTS TO SETTLE CONCRETE
        15 PLACE DIRT AROUND POST HOLE

RT  065  1 OBTAIN SCREWDRIVER
         2 REMOVE SCREWS
         3 USING OLD SIGN ON TOP OF NEW, MARK OFF HOLES AND D
           RILL
         4 POSITION SIGN ON BUILDING
         5 INSTALL SCREWS BY HAND
         6 TIGHTEN SCREWS WITH SCREWDRIVER
         7 REPLACE SCREWDRIVER
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RT 066 1 POSITION FENCE POST IN HOLE

RT 067 1 INSTALL FENCE POST(10 1/2FT X 1 1/2") IN HOLE(28" X 9") 10 FT. APART. 2 MEN (TWO MEN WORKING ON POS

RT 068 1 GET TOOLS FROM TRUCK AND LATER PUT AWAY (RAKE, SPR EADER, SEED, STRAW, HOSE) *BASED ON 1000 SF
2 WALK OVER AREA TO INSPECT *BASED ON 1000 SF
3 RAKE AREA TO LEVEL, TURN FOR SEEDING AND TO REMOVE ROCKS, ETC. *BASED ON 1000 SF
4 POUR GRASS SEED INTO SPREADER *BASED ON 1000 SF - 10 LBS SEED PER USAGE
5 ROLL SPREADER TO SITE AND BACK TO TRUCK *BASED ON 1000 SF
6 SPREAD SEED WITH ROTARY SPREADER *BASED ON 1000 SF
7 UNBALE STRAW *BASED ON 1000 SF
8 CARRY STRAW TO SITE *BASED ON 1000 SF
9 SPREAD STRAW OVER NEW SEED *BASED ON 1000 SF
10 WALK BACK AND FORTH TO GET FRESH STRAW *BASED ON 1 000 SF
11 WATER AREA BY HAND *BASED ON 1000 SF

RT 069 1 MEASURE AND MARK WITH STEEL TAPE AND CHALK.
2 POSITION BUMPER.
3 SECURE BUMPER, DRIVE SPIKE WITH MAUL.

RT 070 1 TREE STUMP (DIA. > 24") REMOVAL USING MOTORIZED TR EE STUMP GRINDER, BLADE DIA. 24".

RT 071 1 TREE STUMP (DIA. < 12") REMOVAL USING MOTORIZED TR EE STUMP GRINDER, BLADE DIA. 24".

RT 072 1 LAY GRASS PAVING BLOCK TO PREPARED SAND BED. BLOCK IS 60CM X 40CM X 7CM AND WEIGHS 10KG (22LBS).
2 CUT GRASS PAVING BLOCKS TO FIT AS REQUIRED.

RT 073 1 BACKFILL GRASS PAVING BLOCK WITH SAND OR SOIL. *BL
2 BACKFILL PERIMETER OF PAVING BLOCK AREA USING SHOV EL.
3 SWEEP BACKFILL MATERIAL ACROSS GRASS PAVING BLOCK SURFACE TO FILL IN HOLES OF BLOCK.
4 TAMP BACKFILL TO HOLES IN GRASS PAVING BLOCK
5 TAMP PERIMETER BACKFILL OF AREA PAVED WITH GRASS P AVING BLOCKS
6 WATER DOWN GRASS PAVING BLOCKS TO SETTLE UNTAMPED SOIL OR SAND.
7 SWEEP WATERED DOWN AREA TO CLEAN AND FINISH MOVING SOIL TO HOLES.

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RT  074  1 MEASURE MARK AND DRILL EACH POST *8 HOLES TO DRILL
           PER POST *PER JOB 25 POST ON AVERAGE ARE DRILLED
         2 NAIL BRACKETS ON POST *4 BRACKETS PER POST
         3 BORE HOLE FOR FENCE POST WITH TRUCK MOUNTED AUGER
         4 CLEAR HOLE BY SHOVELING *1 CU. FT
         5 INSTALL POST IN HOLE
         6 ASSEMBLE HORIZONTAL RAILS IN POST BRACKETS *25 PER
           100 LF; OR 25*8/100 PER SECTION *12.5 PER 100 LF;
         7 INSERT NYLON SPACERS INTO HORIZONTAL RAILS *SPACER
           ARE DRIVEN 1/2 THE LENGTH OF REGULAR NAIL *SO 525
         8 UNCRATE PANELS *12.5 BOXES PER 100 LF *OR 12.5*8/1
           00 PER SECTION
         9 NAIL PANELS ON TO HORIZONTAL RAILS *21 PANELS X 12
           .5 IN BTWN POSTS = 262.5 *262.5 PER 100 LF; OR 262

RT  075  1 DRILL FENCE POST HOLE WITH AUGER, 30" DEEP.

RT  076  1 UNROLL EROSION CONTROL BLANKET ON GROUND BY PUSHIN
           G WITH HANDS AND/OR FEET.
         2 WALK LENGTH OF EROSION CONTROL BLANKET,(120FT ) 3
           TIMES PLACING STAPLE EVERY 3 FEET.

RT  077  1 GET ON OFF GRADALL.
         2 POSITION GRADALL. (AVERAGE POSITION GRADALL ONCE P
           ER 40 SQ. YDS.)
         3 DRAG GRADALL BUCKET ALONG SURFACE OF DITCH.
         4 EXCAVATE DEBRIS FROM DITCH AND LOAD INTO TRUCK.

RT  078  1 GET ON/OFF GRADALL.
         2 POSITION GRADALL. (AVERAGE POSITION GRADALL ONCE P
           ER 10 SQ. YDS.)
         3 POSITION RIP-RAP WITH GRADALL.
         4 SPREAD RIP-RAP WITH GRADALL.

RT  079  1 EXCAVATE SOFT DIRT WITH BACKHOE.
         2 PLACE RIP-RAP WITH GRADALL.

RT  080  1 GET ON/OFF FRONTEND LOADER.
         2 FROM RIP-RAP TO DAM AND RETURN, LOADER.
         3 POSITION RIP-RAP WITH FRONTEND LOADER.

RT  081  1 OBTAIN AND OPEN BAG OF SEED AND FERTILIZER.
         2 EMPTY BAG.
         3 DISPOSE OF EMPTY BAG.
         4 GET ON/OFF TRACTOR.
         5 TRAVEL 100 FT.

RT  083  1 FILL SPRAY TANK WITH WATER  *7.0489 MILES PER FILL
           ING
         2 SWEEP ROAD OR HIGHWAY  *98" TIMES 122.45 LN FT = 1
           000 SQ FT*122.45 TIMES 43.123 = 5280 LN FT = 1 MIL
         3 REFUEL EQUIPMENT *EVERY 100 MILES
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RT 084 1 FILL SPRAY TANK WITH WATER *16.5 MILES PER FILLIN
G
2 SWEEP AND VACUUM ROAD OR HIGHWAY *FOR SWEEPER AND
VACUUM (FMC CORP. MODEL 1-V3000), *AVERAGE SPEED I
3 DUMP TRASH FROM VACUUM BOX *5.5 MILES PER LANE PER
HOUR *OR 16.5 MILES PER TRASH DUMP (SOURCE SWEEPE
4 REFUEL EQUIPMENT *EVERY 100 MILES

RT 085 1 GET IN/OUT TRUCK, START/STOP ENGINE.
2 POSITION TREE STUMP GRINDER WITH TRUCK.
3 TREE STUMP (DIA. 24" THRU 32") REMOVAL, MOTORIZED
STUMP GRINDER.
4 WALK FROM TRUCK TO STUMP GRINDER AND RETURN.

RT 086 1 TREE STUMP (DIA. 32" THRU 42") REMOVAL USING MOTOR
IZED TREE STUMP GRINDER.
2 POSITION TREE STUMP GRINDER WITH TRUCK.
3 GET IN/OUT TRUCK, START/STOP ENGINE.
4 WALK FROM TRUCK TO STUMP GRINDER AND RETURN.

RT 087 1 REMOVE BARBED WIRE, PRY RETAINING EAR.
2 REMOVE OLA BARBED WIRE, BEND, ASIDE.

RT 088 1 REPLACE EXISTING BARBED WIRE ON FENCE, CHAINLINK,
PERIMETER. INCLUDES: NEW WIRE PER 10 FOOT SECTION,

RT 089 1 INSTALL BARBED WIRE ON FENCE,CHAINLINK, PERIMETER.
INCLUDES: NEW WIRE PER TEN FOOT SECTION, 8 FOOT H
2 INSTALL BARB ARM ON FENCE,CHAINLINK, PERIMETER. IN
CLUDES; INSTALL BARB ARM.

RT 090 1 CUT STOCK INTO CLUMPS.
2 WALK
3 GET/ASIDE SHOVEL
4 DIG HOLE, SHOVEL.
5 GET/PLACE CLUMP.
6 FIRM WITH HEEL.

ST 001 1 OBTAIN TOOL, CLEAN AND PUT AWAY 1 TIME PER 10 CU. FT. XXX
2 REMOVE DEBRIS WITH SHOVEL 27 CUFT PER CUYD XXX

ST 002 1 OBTAIN TOOL, CLEAN AND PUT AWAY 1 TIME PER 10 CU. FT.
2 REMOVE DEBRIS WITH WHEELBARROW 9 LOADS PER CU. YD.

ST 003 1 PICK UP DEMPSTER DUMPSTER CONTAINER 6, 8 OR 10 CU. YD. (.0320 HRS)/(PICK UP) N
2 RELEASE DEMPSTER DUMPSTER CONTAINER FROM TRUCK TO GROUND, 6, 8 OR 10 CU. YD. CONTAINER (.0431 HRS)/(
3 UNLOAD DEMPSTER DUMPSTER CONTAINER AT ELEVATED RAM P REFUSE TRAILER, DUMP AREA OR AT INCINERATOR (.04

ST 004 1 PREPARE CONTAINER FOR STEAM CLEANING (.0102 HRS)/(CONTAINER) N
2 STEAM CLEAN INTERIOR OF CONTAINER 6, 8 OR 10 CU. Y D. (.0561 HRS)/(CONTAINER) N
3 PAINT CONTAINER LIFT LINK CATCHES (.0101 HRS)/(CON TAINER) N

ST 005 1 PICKUP DEMPSTER DUMPSTER CONTAINER 6, 8, OR 10 CU. YD. (.0320 HRS)/(CONTAINER) N
2 RELEASE DEMPSTER DUMPSTER CONTAINER FROM TRUCK TO GROUND (.0431 HRS)/(RELEASE) N
3 UNLOAD DEMPSTER DUMPSTER CONTAINER AT ELEVATED RAM P REFUSE TRAILER, DUMP AREA OR AT INCINERATOR (.04
4 PREPARE CONTAINER FOR STEAM CLEANING (.0102 HRS)/(CONTAINER) N
5 STEAM CLEAN INTERIOR OF CONTAINER 6, 8 OR 10 CU. F T. (.0561 HRS)/(CONTAINER)
6 PAINT CONTAINER LIFT LINK CATCHES (.0101 HRS)/(CON TAINER) N

ST 006 1 REFUSE, COLLECT WITH FRONT END LOADING/COMPACTION DYNAMASTER SYSTEM OR EQUAL (.0515 HRS)/(CONTAINER)
2 REFUSE, DISPOSE OF AT SERVICE OWNED DISPOSAL SITE (.1134 HRS)/(OCC.) (1 OCC.)/(23 CONTAINERS)
3 DISCHARGE WATER ACCUMULATION EACH 3 LOADS (.0424 H RS)/(OCC.) (1 OCC.)/(3 LOADS) (1 LOAD)/(23 CONTAIN

ST 007 1 PREPARE CONTAINER FOR STEAM CLEANING (.0102 HRS)/(CONTAINER) N
2 STEAM CLEAN INTERIOR OF CONTAINER (.0561 HRS)/(CON TAINER) N
3 PAINT CONTAINER CATCHES & LOCKS (.0101 HRS)/(CONTA INER) N

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ST  008  1 PICKUP 30 OR 40 CU. YD. DINOSAUR CONTAINER (.1227
           HRS)/(CONTAINER) N
         2 UNLOAD 30 OR 40 CU. YD. CONTAINER (.1872 HRS)/(CON
           TAINER) N
         3 RELEASE 30 OR 40 CU. YD. DINOSAUR CONTAINER (.1218
           HRS)/(CONTAINER) N

ST  009  1 PREPARE 30 TO 40 CU. YD. CONTAINER FOR STEAM CLEAN
           ING (.0102 HRS)/(CONTAINER) N
         2 STEAM CLEAN INTERIOR OF 30-40 CU. YD. CONTAINER (.
           0561)/(8 CU. YD.) (40 CU. YD.)/(CONTAINER) N

ST  010  1 REFUSE PICKUP CAN ( 32 GALLON ) UNLOAD INTO LOADPA
           CKER XXX
         2 OPERATE LOADPACKER LOADING MECHANISM AND WALK TO N
           EXT PICKUP AREA
         3 PREPARE LOADPACKER FOR UNLOADING REFUSE (.0168 HRS
           )/(200 CANS) N
         4 UNLOAD LOADPACKER AT DISPOSAL AREA OR DUMP (.0512
           HRS)/(200 CANS) N

ST  011  1 REFUSE, PICKUP CAN (32 GALLON) UNLOAD INTO LOADPAC
           KER (.0073 HRS)/(CAN) N
         2 OPERATE LOADPACKER LOADING MECHANISM AND WALK TO N
           EXT PICKUP AREA (.0038 HRS)/(2 CANS) N
         3 PREPARE LOADPACKER FOR UNLOADING REFUSE (.0168 HRS
           )/(200 CANS) N
         4 UNLOAD LOADPACKER AT DISPOSAL AREA OR DUMP (.0512
           HRS)/(200 CANS) N

ST  012  1 PICKUP, INDIVIDUALLY LOCATED CANS, UNLOAD INTO CON
           TAINER AND LOADPACKER (FRONT DOOR SERVICE) (.0199
         2 OPERATE LOADPACKER LOADING MECHANISM & WALK TO NEX
           T PICKUP AREA (.0038 HRS)/(CAN) N
         3 PREPARE LOADPACKER FOR UNLOADING REFUSE (.0168 HRS
           )/(200 CANS) N
         4 UNLOAD LOADPACKER AT DISPOSAL AREA OR DUMP (.0512
           HRS)/(200 CANS) N

ST  013  1 REFUSE, PICKUP TWO CANS (32 GAL.), ADJACENT TO ANO
           THER, UNLOAD INTO CONTAINER AND INTO LOADPACKER (.
         2 OPERATE LOADPACKER LOADING MECHANISM AND WALK TO N
           EXT PICKUP AREA (.0038 HRS)/(2 CANS) N
         3 PREPARE LOADPACKER FOR UNLOADING REFUSE (.0168 HRS
           )/(200 CANS) N
         4 UNLOAD LOADPACKER AT DISPOSAL AREA OR DUMP (.0512
           HRS)/(200 CANS) N
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QAT 001
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 CHARGE 2 GALLON TANK AT ON-SITE SUPPLY ONCE EVERY 700 LF.
3 SPRAY EDGE (4"-5" SWATH) USING WHEELED PUSH CART; GOOD CONDITION; ONE PASS

QAT 002
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 CHARGE 2 GALLON TANK AT ON-SITE SUPPLY ONCE EVERY 700 LF
3 SPRAY EDGE (4"-5" SWATH) USING WHEELED PUSH CART; FAIR CONDITION; TWO PASSES
4 SPRAY TWENTY FIVE SQ. FT. IRREGULAR AREA

QAT 003
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 CHARGE 2 GALLON TANK AT ON-SITE SUPPLY ONCE EVERY 700 SQ. FT.
3 SPRAY EDGES (4"-5" SWATH) USING WHEELED PUSH CART; POOR CONDITION; TWO PASSES
4 SPRAY FORTY SQ. FT. IRREGULAR AREA

QAT 004
1 PUT ON AND REMOVE SAFETY EQUIPMENT.
2 CHARGE 2 GALLON TANK AT ON-SITE SUPPLY ONCE EVERY 700 LINEAR FEET
3 SPRAY EDGES (4"-5" SWATH) USING HAND CARRIED TANK; GOOD CONDITION; 1 PASS

QAT 005
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 CHARGE 2 GALLON TANK AT ON-SITE SUPPLY ONCE EVERY 700 LINEAR FEET
3 SPRAY EDGES (4"-5" SWATH) USING HAND CARRIED TANK; FAIR CONDITION; 2 PASSES
4 SPRAY TWENTY FIVE SQ. FT. IRREGULAR AREA

QAT 006
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 CHARGE 2 GALLON TANK AT ON-SITE SUPPLY ONCE EVERY 700 LINEAR FEET
3 SPRAY EDGES (4"-5" SWATH) USING HAND CARRIED TANK; POOR CONDITION; 2 PASSES
4 SPRAY FORTY SQ. FT. IRREGULAR AREA

QAT 007
1 PUT ON AND REMOVE SAFETY EQUIPMENT, TWO MEN
2 CHARGE 100 GALLON TANK WITH WATER AND CHEMICALS EV ERY 600 LF, TWO MEN
3 VEHICLE TIME TO ON-SITE SUPPLY POINT AND RETURN TO SPRAY AREA, ONE TRIP PER 600 LF, TWO MEN * REVISE
4 SPRAY FENCE LINE AREA; NEW AREA - 2 MEN; SPRAY ARE A 6 FT. WIDE

QAT 008
1 PUT ON AND REMOVE SAFETY EQUIPMENT, TWO MEN
2 CHARGE 100 GALLON TANK WITH WATER AND CHEMICALS EV ERY 1500 LF, TWO MEN
3 VEHICLE TIME TO ON-SITE SUPPLY POINT AND RETURN TO SPRAY AREA, TWO MEN
4 SPRAY FENCE LINE AREA; FOLLOW UP SPRAYING - 2 MEN; SPRAY AREA 6 FT. WIDE

QAT 009
1 PUT ON AND REMOVE SAFETY EQUIPMENT, TWO MEN
2 CHARGE 100 GALLON TANK WITH WATER AND CHEMICALS EV ERY 20,000 SQ FT, TWO MEN
3 VEHICLE TIME TO ON-SITE SUPPLY POINT AND RETURN TO SPRAY AREA, TWO MEN
4 SPRAY RESIDENTIAL AREA - 2 MEN

QAT 010
1 PUT ON AND REMOVE SAFETY EQUIPMENT, TWO MEN
2 CHARGE 100 GALLON TANK WITH WATER AND CHEMICALS EV ERY 20,000 SQ FT, TWO MEN
3 VEHICLE TIME TO ON-SITE SUPPLY POINT AND RETURN TO SPRAY AREA, TWO MEN
4 SPRAY PARADE GROUND AREA

QAT 011
1 PUT ON AND REMOVE SAFETY EQUIPMENT.
2 TREAT KITCHEN CABINETS AND APPLIANCES IN AN UNOCCU PIED FAMILY HOUSING UNIT.
3 INSPECT AND TREAT 100 SQ.FT. IN AN UNOCCUPIED FAMI LY HOUSING UNIT.
4 FILL OUT PEST CONTROL FIELD REPORT

QAT 012
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 TREAT KITCHEN CABINETS AND APPLIANCES IN AN OCCUPI ED FAMILY HOUSING UNIT.
3 INSPECT AND TREAT 100 SQ.FT. IN AN OCCUPIED FAMILY HOUSING UNIT.
4 FILL OUT PEST CONTROL FIELD REPORT

QAT 013
1 PUT ON AND REMOVE SAFETY EQUIPMENT.
2 INSPECT AND TREAT 1000 SQ.FT. IN UNACCOMPANIED PER SONNEL LIVING QUARTERS.
3 FILL OUT PEST CONTROL FIELD REPORT.

QAT 014
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 INSPECT AND TREAT 1000 SQ.FT. IN A FOOD SERVICE FA CILITY.
3 FILL OUT PEST CONTROL FIELD REPORT.

QAT 015
1 PUT ON AND REMOVE SAFETY EQUIPMENT.
2 INSPECT AND TREAT 100 SQ.FT. IN AN OFFICE SPACE.
3 FILL OUT PEST CONTROL FIELD REPORT.

QAT 016
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 INSPECT AND TREAT 1000 SQ.FT. IN A DRY FOOD STORAG E WAREHOUSE.
3 FILL OUT PEST CONTROL FIELD REPORT.

QAT 017
1 INSPECT 100 LF FOR INFESTATION
2 FILL 1-GAL. COMPRESSED AIR SPRAYER (PER 100 LF)
3 PUMP AND LOCK COMPRESSED AIR SPRAYER (PER 100 LF)
4 PICK UP COMPRESSED AIR SPRAYER AND ASIDE (PER 100 LF)
5 TREAT 100 UNOBSTRUCTED LIN.FT.

QAT 018 1 INSPECT 100 LF FOR INFESTATION
2 FILL 1-GAL. COMPRESSED AIR SPRAYER (PER 100 LF)
3 PUMP UP AND LOCK COMPRESSED AIR SPRAYER.
4 PICK UP COMPRESSED AIR SPRAYER AND ASIDE (PER 100 LIN.FT.)
5 TREAT 100 OBSTRUCTED LIN.FT.

QAT 019 1 DRILL HOLES IN SOFT SURFACE, 2 INCHES DEEP, 1/2" - 1" DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 020 1 DRILL HOLES IN SOFT SURFACE, 2 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT.

QAT 021 1 DRILL HOLES IN SOFT SURFACE, 4 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 022 1 DRILL HOLES IN SOFT SURFACE, 4 INCHES DEEP, 1/2"- 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 023 1 DRILL HOLES IN SOFT SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 024 1 DRILL HOLES IN SOFT SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 025
1 DRILL HOLES IN SOFT SURFACE, 8 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 026
1 DRILL HOLES IN SOFT SURFACE, 8 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 027
1 DRILL HOLES IN SOFT SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 028
1 DRILL HOLES IN SOFT SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 029
1 DRILL HOLES IN MEDIUM SURFACE, 2 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 030
1 DRILL HOLES IN MEDIUM SURFACE, 2 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 031
1 DRILL HOLES IN MEDIUM SURFACE, 4 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 032 1 DRILL HOLES IN MEDIUM SURFACE, 4 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 033 1 DRILL HOLES IN MEDIUM SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 034 1 DRILL HOLES IN MEDIUM SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 035 1 DRILL HOLES IN MEDIUM SURFACE, 8 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 036 1 DRILL HOLES IN MEDIUM SURFACE, 8 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 037 1 DRILL HOLES IN MEDIUM SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 038 1 DRILL HOLES IN MEDIUM SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 039 1 DRILL HOLES IN HARD SURFACE, 2 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 040 1 DRILL HOLES IN HARD SURFACE, 2 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 041 1 DRILL HOLES IN HARD SURFACE, 4 INCHES DEEP, 1/2FT - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 042 1 DRILL HOLES IN HARD SURFACE, 4 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 043 1 DRILL HOLES IN HARD SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 044 1 DRILL HOLES IN HARD SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 045 1 DRILL HOLES IN HARD SURFACE, 8 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 046
1 DRILL HOLES IN HARD SURFACE, 8 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 047
1 DRILL HOLES IN HARD SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 048
1 DRILL HOLES IN HARD SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 PREPARE TO APPLY INSECTICIDE - HORIZONTAL RODDING
3 APPLY INSECTICIDE IN HEAVY SOIL USING HORIZONTAL RODDING
4 FILL 50 GALLON INSECTICIDE SPRAYER
5 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 049
1 DRILL HOLES IN SOFT SURFACE, 1 INCH DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE TANK

QAT 050
1 DRILL HOLES IN SOFT SURFACE, 4 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE TANK

QAT 051
1 DRILL HOLES IN SOFT SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE TANK

QAT 052
1 DRILL HOLES IN SOFT SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE TANK

QAT 053
1 MIX CEMENT AND FILL HOLE

QAT 054
1 DRILL HOLES IN MEDIUM SURFACE, 1 INCH DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE TANK

QAT 055
1 DRILL HOLES IN MEDIUM SURFACE, 4 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE CAN

QAT 056
1 DRILL HOLES IN MEDIUM SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE CAN

QAT 057
1 DRILL HOLES IN MEDIUM SURFACE, 10 INCHES DEEP, 1/2 " - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE CAN

QAT 058
1 DRILL HOLES IN HARD SURFACE, 1 INCH DEEP, 1/2" - 1 " INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE CAN

QAT 059
1 DRILL HOLES IN HARD SURFACE, 4 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE CAN

QAT 060
1 DRILL HOLES IN HARD SURFACE, 6 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL UP 50 GALLON INSECTICIDE CAN

QAT 061
1 DRILL HOLES IN HARD SURFACE, 10 INCHES DEEP, 1/2" - 1" INCH DIAMETER
2 APPLY INSECTICIDE TO HOLES WITH SUB SLAB INJECTOR
3 PUT ON AND REMOVE SAFETY EQUIPMENT
4 FILL 50 GALLON INSECTICIDE CAN

QAT 062
1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 DIG TRENCH IN SANDY SOIL, APPLY INSECTICIDE AND BACKFILL TRENCH - OUTSIDE PERIMETER OF FOUNDATION WA
3 FILL 50 GALLON INSECTICIDE TANK (INSECTICIDE APPLIED AT THE RATE OF 1 GALLON EVERY 2.5 LF)

QAT 063 1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 DIG TRENCH IN SANDY SOIL, APPLY INSECTICIDE AND BA
CKFILL TRENCH - INSIDE PERIMETER OF FOUNDATION WAL
3 FILL 50 GALLON INSECTICIDE TANK (INSECTICIDE APPLI
ED AT THE RATE OF 1 GALLON EVERY 2.5 LF)

QAT 064 1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 DIG TRENCH IN HEAVY SOIL, APPLY INSECTICIDE, AND B
ACKFILL TRENCH - OUTSIDE PERIMETER OF FOUNDATION W
3 FILL 50 GALLON INSECTICIDE TANK (INSECTICIDE APPLI
ED AT THE RATE OF 1 GALLON EVERY 2.5 LF)

QAT 065 1 PUT ON AND REMOVE SAFETY EQUIPMENT
2 DIG TRENCH IN HEAVY SOIL, APPLY INSECTICIDE, AND B
ACKFILL TRENCH - INSIDE PERIMETER OF FOUNDATION WA
3 FILL 50 GALLON INSECTICIDE TANK (INSECTICIDE APPLI
ED AT THE RATE OF 1 GALLON EVERY 2.5 LF)

QAT 066 1 PREPARE TO APPLY INSECTICIDE - HORIZONTAL OR VERTI
CAL RODDING
2 APPLY INSECTICIDE IN LIGHT/SANDY SOIL USING VERTIC
AL RODDING
3 FILL 50 GALLON INSECTICIDE TANK
4 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 067 1 PREPARE TO APPLY INSECTICIDE - HORIZONTAL OR VERTI
CAL RODDING
2 APPLY INSECTICIDE IN MEDIUM SOIL USING VERTICAL RO
DDING
3 FILL 50 GALLON INSECTICIDE TANK
4 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 068 1 PREPARE TO APPLY INSECTICIDE - HORIZONTAL OR VERTI
CAL RODDING
2 APPLY INSECTICIDE IN HEAVY SOIL USING VERTICAL ROD
DING
3 FILL 50 GALLON INSECTICIDE TANK
4 PUT ON AND REMOVE SAFETY EQUIPMENT

QAT 069 1 UNLOAD AND LOAD WHEELED U.L.V. EQUIPMENT.
2 PUT ON AND REMOVE RESPIRATOR AND EAR PROTECTION
3 START GASOLINE ENGINE ON U.L.V. MACHINE.
4 DISPERSE FLUSHING AGENT WITH U.L.V. EQUIPMENT.
5 MOVE U.L.V. EQUIPMENT FROM ROOM TO ROOM WITHIN BUI
LDING. AVG. 5 MOVES/JOB
6 STOP ENGINE ON U.L.V. MACHINE.

QAT 070 1 PUT ON AND REMOVE RESPIRATOR AND EAR PROTECTION.
2 START U.L.V. MACHINE.
3 DISPERSE FLUSHING AGENT WITH U.L.V. EQUIPMENT. (PE
R 100 CU.FT.)
4 STOP U.L.V. MACHINE.

QAT 071
1 PUT ON AND REMOVE RUBBER GLOVES
2 FILL 100 GALLON TANK WITH WATER
3 FILL GALLON JUG WITH INSECTICIDE AND POUR INTO 100 GALLON TANK OF WATER
4 SPRAY SOIL FILL WITH APPROXIMATELY 1 GALLON OF INS ECTICIDE PER 10 SF OF FILL
5 COIL AND UNCOIL GARDEN HOSE
6 PULL CORD TO START MOTOR OF WATER TANK COMPRESSOR
7 STOP MOTOR OF WATER TANK COMPRESSOR

QAT 072
1 GRAB BAG OF INSECTICIDE FROM BACK OF TRUCK, FILL 1 GALLON CAN WITH INSECTICIDE, AND RETURN TO BACK O
2 WALK APPROXIMATELY 25 PACES FROM FIRE ANT MOUND TO FIRE ANT MOUND
3 SPRINKLE, BY HAND, 5 TABLESPOONS OF INSECTICIDE ON EACH MOUND

QAT 073
1 PUT ON AND REMOVE SAFETY EQUIPMENT.
2 INSPECT AND TREAT 1000 SQ.FT. IN A GENERAL STORAGE WAREHOUSE.
3 FILL OUT PEST CONTROL FIELD REPORT.

QAT 074
1 OBTAIN SHOVEL, TROWEL AND GOPHER TRAP
2 LEVEL MOUND WITH SHOVEL
3 HAND TROWEL HOLE
4 PROBE FOR TUNNEL WITH WIRE
5 ENLARGE HOLE WITH SHOVEL
6 REMOVE EXCESS DIRT
7 CLEAR OUT TUNNEL - HAND TROWEL
8 SET TRIGGERING MECHANISM ON TRAP
9 INSERT TRAP INTO TUNNEL
10 ANCHOR TRAP WITH WIRE
11 REPLACE DIRT AND GRASS
12 SPREAD DIRT AROUND AREA
13 REPLACE SHOVEL AND TROWEL

QAT 075
1 OBTAIN TROWEL
2 REMOVE CLUMP OF GRASS
3 PULL UP ANCHOR
4 PULL UP GROUND SQUIRREL TRAP
5 REMOVE EXPIRED RODENT
6 PLACE EXPIRED RODENT BACK INTO HOLE
7 REPLACE DIRT OVER TUNNEL
8 TAMP DIRT WITH SHOVEL
9 REPLACE GRASS
10 REPLACE TROWEL

QAT 076
1 OBTAIN TRAP AND BAIT FROM TRUCK
2 PREPARE BAIT FOR PLACEMENT IN TRAP
3 RAISE TRAP DOOR
4 POSITION BAIT
5 SET, TEST AND RESET TRIGGERING MECHANISM
6 POSITION TRAP

QAT 077
1 REMOVE MANHOLE COVER
2 INSPECT MANHOLE FOR ROACHES
3 OBTAIN SPRAYER
4 REMOVE CAP ON TIP OF SPRAYER
5 INSERT SPRAYER INTO MANHOLE
6 PUMP SPRAYER TO BUILD UP PRESSURE AND RELEASE INSE CTICIDE
7 REMOVE SPRAYER FROM MANHOLE
8 REPLACE CAP ON TIP OF SPRAYER
9 REPLACE MANHOLE COVER
10 REPLACE SPRAYER

QAT 078
1 OPEN DUMPSTER AND INSPECT
2 UNWIND HOSE OF SPRAYER
3 START MOTOR OF COMPRESSOR
4 SPRAY INTERIOR, EXTERIOR AND UNDERSIDE OF DUMPSTER
5 REWIND HOSE OF SPRAYER
6 SHUT OFF MOTOR OF COMPRESSOR
7 CLOSE DUMPSTER

QAT 079
1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT. OF ORNAMENTAL SHRUBBERY 2 FT. AND UNDER IN DIA. BY SPRAYING, USING A HYDRAULIC

QAT 080
1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY 2 FT A ND UNDER IN DIAMETER BY SPRAYING USING A HYDRAULIC

QAT 081
1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY 2 FT A ND UNDER IN DIAMETER BY SPRAYING USING A HYDRAULIC

QAT 082 1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAUIC POWER SPRAYER TO NEX
T SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY 2 FT A
ND UNDER IN DIAMETER BY SPRAYING USING A HYDRAULIC

QAT 083 1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE
XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 2
FT THRU 4 FT IN DIAMETER BY SPRAYING USING A HYDR

QAT 084 1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE
XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 2
FT THRU 4 FT IN DIAMETER BY SPRAYING USING A HYDR

QAT 085 1 FILL OUT TRIP REPORT OF TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE
XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNIMENTAL SHRUBBERY OVER 2
FT THRU 4 FT IN DIAMETER BY SPRAYING, USING A HYD

QAT 086 1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 2 FT THRU 4 FT IN DIAMETER BY SPRAYING USING A HYDR

QAT 087 1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 2 FT THRU 4 FT IN DIAMETER BY SPRAYING, USING A HYD

QAT 088 1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 4 FT THRU 6 FT IN DIAMETER BY SPRAYING, USING A HYD

QAT 089 1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
2 PUT ON AND REMOVE COVERALLS.
3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO R OPERATION. (BASED ON SPRAYER WITH 100 GAL. TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE XT SPRAY SITE. (AVG 200 FT MOVE AT 10 MPH, 1-TIME
7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 4 FT THRU 6 FT IN DIAMETER BY SPRAYING, USING A HYD

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QAT 090  1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
         2 PUT ON AND REMOVE COVERALLS.
         3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
           N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
         4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
           R OPERATION.  (BASED ON SPRAYER WITH 100 GAL. TANK
         5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
           SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
         6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE
           XT SPRAY SITE.  (AVG 200 FT MOVE AT 10 MPH, 1-TIME
         7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 4
           FT THRU 6 FT IN DIAMETER BY SPRAYING USING A HYDR

QAT 091  1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
         2 PUT ON AND REMOVE COVERALLS.
         3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
           N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
         4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
           R OPERATION.  (BASED ON SPRAYER WITH 100 GAL. TANK
         5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
           SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
         6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE
           XT SPRAY SITE.  (AVG 200 FT MOVE AT 10 MPH, 1-TIME
         7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 4
           FT THRU 6 FT IN DIAMETER BY SPRAYING USING A HYDR

QAT 092  1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
         2 PUT ON AND REMOVE COVERALLS.
         3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
           N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
         4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
           R OPERATION.  (BASED ON SPRAYER WITH 100 GAL. TANK
         5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
           SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
         6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE
           XT SPRAY SITE.  (AVG 200 FT MOVE AT 10 MPH, 1-TIME
         7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 4
           FT THRU 6 FT IN DIAMETER BY SPRAYING, USING A HYD

QAT 093  1 FILL OUT TRIP REPORT FOR TOW VEHICLE.
         2 PUT ON AND REMOVE COVERALLS.
         3 OPERATE TOW VEHICLE WITHIN PEST CONTROL COMPOUND I
           N PREPARATION FOR SPRAYING OPERATION AND FOR STORA
         4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FO
           R OPERATION.  (BASED ON SPRAYER WITH 100 GAL. TANK
         5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT
           SPRAY SITE AND PREPARE SPRAYER TO BE MOVED TO NEXT
         6 MOVE TRAILER MOUNTED HYDRAULIC POWER SPRAYER TO NE
           XT SPRAY SITE.  (AVG 200 FT MOVE AT 10 MPH, 1-TIME
         7 TREAT 1-VERTICAL FT OF ORNAMENTAL SHRUBBERY OVER 4
           FT THRU 6 FT IN DIAMETER BY SPRAYING, USING A HYD
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QAT 094 1 REPLENISH TRAILER MOUNTED HYDRAULIC POWER SPRAYER TANK, UTILIZING ON-SITE WATER SOURCE AND ON-HAND C

QAT 095 1 PUT ON AND REMOVE SAFETY EQUIPMENT. (TWO MEN)
2 CHARGE 200 GAL. TANK WITH WATER AND CHEMICALS. (TWO MEN).
3 SPRAY HERBICIDE ON IMPROVED AREA USING VEHICLE DRAWN SPRAYER WITH A 21FT BOOM(TWO-PART). (TWO MEN)

QAT 096 1 INSPECT FOR EVIDENCE OF PIDGEONS IN CONGESTED WARE HOUSE CONTAINING 43,560 SQFT. OF SPACE
2 SET TRAP FOR PIDGEONS

QAT 097 1 INSPECT BIRD TRAP AND REMOVE ANY PIDGEONS CAUGHT
2 MANUALLY REMOVE PIDGEONS

QAT 098 1 FILL OUT TRIP REPORT FOR TOW VEHICLE
2 PUT ON AND REMOVE WATERPROOF CLOTHING
3 CONNECT AND DISCONNECT TOW VEHICLE AND SPRAYER TRAILER
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FOR OPERATION (BASED ON SPRAYER WITH 200 GALLON TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SITE AND PREPARE TO MOVE AFTER SPRAYING
6 TREAT 1000 SF OF LANDFILL FOR FLIES BY SPRAYING AT THE RATE OF 1 GPM (BASED ON 1 GALLON OF FINISHED

QAT 099 1 FILL OUT TRIP REPORT FOR TOW VEHICLE
2 PUT ON AND REMOVE WATERPROOF CLOTHING
3 CONNECT AND DISCONNECT TOW VEHICLE AND SPRAYER TRAILER
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FOR OPERATION (BASED ON SPRAYER WITH 200 GALLON TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SIGHT AND PREPARE TO MOVE AFTER SPRAYING
6 TREAT 1000 SF OF LANDFILL FOR FLIES BY SPRAYING AT THE RATE OF 2 GPM (BASED ON 1 GALLON OF FINISHED

QAT 100 1 FILL OUT TRIP REPORT FOR TOW VEHICLE
2 PUT ON AND REMOVE WATERPROOF CLOTHING
3 CONNECT AND DISCONNECT TOW VEHICLE AND SPRAYER TRAILER
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FOR OPERATION (BASED ON SPRAYER WITH 200 GALLON TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT SITE AND PREPARE TO MOVE AFTER SPRAYING
6 TREAT 1000 SF OF LANDFILL FOR FLIES BY SPRAYING AT THE RATE OF 3 GPM (BASED ON 1 GALLON OF FINISHED

QAT 101
1 FILL OUT TRIP REPORT FOR TOW VEHICLE
2 PUT ON AND REMOVE WATERPROOF CLOTHING
3 CONNECT AND DISCONNECT TOW VEHICLE AND SPRAYER TRAILER
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FOR OPERATION (BASED ON SPRAYER WITH 200 GALLON TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT WORK SITE AND PREPARE TO MOVE AFTER SPRAYING
6 TREAT 1000 SF OF LANDFILL FOR FLIES BY SPRAYING AT THE RATE OF 4 GPM (BASED ON 1 GALLON OR FINISHED

QAT 102
1 FILL OUT TRIP TICKET FOR TOW VEHICLE
2 PUT ON AND REMOVE WATERPROOF CLOTHING
3 CONNECT AND DISCONNECT TOW VEHICLE AND SPRAYER TRAILER
4 PREPARE TRAILER MOUNTED HYDRAULIC POWER SPRAYER FOR OPERATION (BASED ON SPRAYER WITH 200 GALLON TANK
5 SET UP TRAILER MOUNTED HYDRAULIC POWER SPRAYER AT WORK SITE AND PREPARE TO MOVE AFTER SPRAYING
6 TREAT 1000 SF OF LANDFILL FOR FLIES BY SPRAYING AT THE RATE OF 5 GPM (BASED ON 1 GALLON OF FINISHED

QAT 103
1 FILL OUT TRIP REPORT FOR "ULV" (ULTRA LOW VOLUME) EQUIPMENT VEHICLE
2 FILL INSECTICIDE TANK
3 FILL ALCOHOL TANK
4 FOG 100-ACRE AREA FOR MOSQUITOS AT 10 MPH

QAT 104
1 FILL OUT TRIP REPORT FOR "ULV" (ULTRA LOW VOLUME) EQUIPMENT VEHICLE
2 FILL INSECTICIDE TANK
3 FILL ALCOHOL TANK
4 FOG 100-ACRE AREA FOR MOSQUITOS AT 5 MPH

QAT 105
1 FILL OUT TRIP REPORT FOR "ULV" (ULTRA LOW VOLUME) EQUIPMENT VEHICLE
2 FILL INSECTICIDE TANK
3 FILL ALCOHOL TANK
4 FOG 1-MILE COURSE FOR MOSQUITOS AT 10 MPH

QAT 106
1 FILL OUT TRIP REPORT FOR "ULV" (ULTRA LOW VOLUME) EQUIPMENT VEHICLE
2 FILL INSECTICIDE TANK
3 FILL ALCOHOL TANK
4 FOG 1-MILE COURSE FOR MOSQUITOS AT 5 MPH

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WT  001  1 SEAL CRACKS IN PAVEMENT PER 100 LINEAR FEET WITH H
           OT LIQUID ASPHALT (INCLUDES HEATING AND FEEDING AS

WT  002  1 REMOVE BROKEN PIECES OF BITUMINOUS MATERIAL AND LO
           AD ON TRUCK BY HAND

WT  003  1 SWEEP AREA
         2 APPLY TACK COAT
         3 SPREAD BITUMINOUS MIX BY HAND 1" THICK AND MACHINE
           ROLL *FREQ = 1/36 : TO REDUCE TIME FROM PER CUBIC

WT  004  1 SWEEP AREA
         2 APPLY TACK COAT
         3 SPREAD BITUMINOUS BY HAND 1" THICK AND HAND TAMP

WT  005  1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
           EA
         2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU
           MINOUS
         3 REMOVE BROKEN PIECES OF BITUMINOUS AND LOAD ONTO T
           RUCK BY HAND
         4 SWEEP AREA
         5 APPLY TACK COAT
         6 SPREAD BITUMINOUS MIX BY HAND 4" THICK AND MACHINE
           ROLL

WT  006  1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
           EA
         2 BREAK UP BITUMINOUS USING PNEUMATIC HAMMER
         3 LOAD BITUMINOUS ON DUMP TRUCK BY HAND
         4 SWEEP AREA
         5 APPLY TACK COAT
         6 SPREAD BITUMINOUS MIX BY HAND, 4" THICK AVERAGE, A
           ND MACHINE ROLL.  PER SQUARE YARD & CUBIC YARD

WT  007  1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
           EA
         2 BREAK UP BITUMINOUS USING GRADER AND SCARIFIER
         3 LOAD BITUMINOUS DEBRIS 4" THICK INTO DUMP TRUCK US
           ING FRONT END LOADER
         4 SWEEP AREA
         5 APPLY TACK COAT
         6 SPREAD BITUMINOUS MIX BY HAND 4" THICK AND MACHINE
           ROLL

WT  008  1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
           EA
         2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU
           MINOUS
         3 REMOVE BROKEN PIECES OF BITUMINOUS AND LOAD ONTO T
           RUCK BY HAND
         4 SWEEP AREA
         5 APPLY TACK COAT
         6 SPREAD BITUMINOUS BY HAND 4" THICK AND HAND TAMP
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WT 009 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR EA
2 BREAK UP BITUMINOUS USING PNEUMATIC HAMMER
3 REMOVE BROKEN PIECES OF BITUMINOUS AND LOAD ONTO T RUCK BY HAND
4 SWEEP AREA
5 APPLY TACK COAT
6 SPREAD BITUMINOUS BY HAND 4" THICK AND HAND TAMP

WT 010 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGE OF ARE A
2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU MINOUS PAVEMENT
3 LOAD DEBRIS INTO DUMP TRUCK USING FRONT END LOADER
4 REMOVE EXISTING BASE MATERIAL TO DEPTH OF 3"
5 PLACE NEW BASE MATERIAL TO 3" DEPTH AND MACHINE RO LL
6 SWEEP AREA
7 APPLY TACK COAT
8 SPREAD BITUMINOUS MIX BY HAND AND MACHINE ROLL

WT 011 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR EA
2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU MINOUS PAVEMENT
3 REMOVE BROKEN BITUMINOUS AND LOAD ONTO TRUCK BY HA ND
4 REMOVE EXISTING BASE MATERIAL TO DEPTH OF 3"
5 PLACE NEW BASE MATERIAL TO 3" DEPTH AND MACHINE RO LL
6 SWEEP AREA * * ERROR NOTED 9/30/88 JLB; DESCRIPTIO N READ "PLACE* NEW BASE MATERIAL TO 3" DEPTH AND
7 APPLY TACK COAT
8 SPREAD BITUMINOUS MIX BY HAND AND MACHINE ROLL

WT 012 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGE OF ARE A
2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU MINUS PAVEMENT
3 REMOVE BROKEN BITUMINOUS AND LOAD ONTO TRUCK BY HA ND
4 REMOVE EXISTING BASE MATERIAL TO DEPTH OF 3"
5 SWEEP AREA
6 PLACE NEW BASE MATERIAL TO 3" DEPTH AND HAND TAMP
7 APPLY TACK COAT
8 SPREAD BITUMINOUS BY HAND AND HAND TAMP

WT 013 1 BREAK UP 4" THICK NON-REINFORCED CONCRETE AND LOAD ON TRUCK BY HAND
2 PLACE 4" THICK CONCRETE
3 WOOD FLOAT CONCRETE
4 EDGE CONCRETE
5 CUT CONTROL JOINT
6 COVER CONCRETE SURFACE FOR CURING PROCESS *1 CUT P ER 250 SQ FT; 9 SQ FT PER 1 SQ YD

WT 014 1 CUT CONCRETE WITH SELF-PROPELLING CONCRETE SAW
2 BREAK UP 4" THICK NON-REINFORCED CONCRETE SLAB USI
NG PNEUMATIC HAMMER AND LOAD DEBRIS ON TRUCK BY HA

WT 015 1 BREAK UP 6" THICK NON-REINFORCED CONCRETE SLAB WIT
H PNEUMATIC HAMMER. LOOSEN AND LOAD ON TRUCK BY H
2 PLACE 6" THICK CONCRETE
3 WOOD FLOAT CONCRETE SURFACE
4 EDGE CONCRETE
5 CUT CONTROL JOINT
6 COVER CONCRETE SURFACE FOR CURING PROCESS *1 CUT P
ER 250 SQ FT; 9 SQ FT PER SQ YD

WT 016 1 CUT CONCRETE WITH SELF-PROPELLING CONCRETE SAW
2 BREAK UP 6" THICK NON-REINFORCED CONCRETE SLAB USI
NG PNEUMATIC HAMMER AND LOAD DEBRIS ON TRUCK BY HA

WT 017 1 BREAK UP 8" THICK NON-REINFORCED CONCRETE WITH PNE
UMATIC HAMMER, LOOSEN AND LOAD ON TRUCK
2 PLACE 8" THICK CONCRETE
3 WOOD FLOAT CONCRETE
4 EDGE CONCRETE
5 CUT CONTROL JOINT
6 COVER CONCRETE SURFACE FOR CURING PROCESS *1 CUT P
ER 250 SQ FT; 9 SQ FT PER SQ YD

WT 018 1 CUT CONCRETE WITH SELF-PROPELLING CONCRETE SAW
2 BREAK UP 8" THICK NON-REINFORCED CONCRETE SLAB USI
NG PNEUMATIC HAMMER AND LOAD DEBRIS ON TRUCK BY HA

WT 019 1 CUT CONCRETE WITH SELF-PROPELLING CONCRETE SAW
2 BREAK UP 12" THICK REINFORCED CONCRETE SLAB USING
PNEUMATIC HAMMER AND LOAD DEBRIS ON TRUCK BY HAND

WT 020 1 BREAK UP 12" THICK REINFORCED CONCRETE SLAB WITH P
NEUMATIC HAMMER. LOOSEN AND LOAD ON TRUCK BY HAND
2 PLACE 12" THICK CONCRETE SLAB
3 WOOD FLOAT CONCRETE
4 EDGE CONCRETE
5 CUT CONTROL JOINT
6 COVER CONCRETE SURFACE FOR CURING PROCESS *AVG 1 C
UT PER 100 SQ FT; 9 SQ FT PER SQ YD

WT 021 1 BREAK UP 6" THICK CONCRETE WALL - BELOW GROUND LEV
EL, LOAD ON TRUCK BY HAND

WT 022 1 BREAK UP 8" THICK CONCRETE WALL AND LOAD ON TRUCK
BY HAND

WT 023 1 CUT CONCRETE

WT 024 1 BREAK UP 4" THICK NON-REINFORCED CONCRETE SLAB WIT
H PNEUMATIC HAMMER, LOOSEN AND LOAD ON TRUCK BY HA

WT 025 1 CUT CONCRETE USING SELF-PROPELLING CONCRETE SAW
2 BREAK UP 4" THICK NON-REINFORCED CONCRETE WITH PNE
UMATIC HAMMER, LOOSEN AND LOAD ON TRUCK BY HAND

WT 026 1 BREAK UP 6" THICK NON-REINFORCED CONCRETE SLAB WIT
H PNEUMATIC HAMMER, LOAD ON TRUCK BY HAND

WT 027 1 BREAK UP 8" THICK CONCRETE SLAB WITH PNEUMATIC HAM
MER, LOAD ON TRUCK BY HAND

WT 028 1 BREAK UP 12" THICK REINFORCED CONCRETE SLAB WITH P
NEUMATIC HAMMER, LOAD ON TRUCK BY HAND

WT 029 1 SET UP AND REMOVE BARRICADE, SAW HORSE TYPE, 8FT L
ONG

WT 030 1 DIG TRENCH 12" DEEP, 6" WIDE IN HARD SOIL WITH GAS
OLINE DRIVEN/OPERATED TRENCHER

WT 031 1 DIG TRENCH 12" DEEP, 6" WIDE IN MEDIUM SOIL WITH G
ASOLINE DRIVEN/OPERATED TRENCHER (VERMEER 22 HP)

WT 032 1 BACKFILL TRENCH WITH BLADE ON FRONT OF TRENCH

WT 033 1 PNEUMATIC HAMMER, OPERATE IN CORAL TYPE MATERIAL.

WT 034 1 CORAL TYPE MATERIAL, SHOVEL

WT 035 1 PNEUMATIC HAMMER, OPERATE IN CORAL TYPE MATERIAL
2 SHOVEL CORAL TYPE MATERIAL

WT 036 1 EXCAVATE MEDIUM EARTH, HOLE, TRENCH OR DITCH WITH
BACKHOE

WT 037 1 EXCAVATE SOFT EARTH, HOLE, TRENCH OR DITCH WITH BA
CKHOE

WT 038 1 BACKFILL HOLE, TRENCH OR DITCH WITH TRACTOR BACKHO
E BUCKET

WT 039 1 LOAD EARTH INTO TRUCK WITH FRONT END LOADER

WT 040 1 EXCAVATE EARTH USING GRADER, BULLDOZER, AND FRONT
END LOADER, AVERAGE DEPTH 9"

WT 041 1 EXCAVATE EARTH USING GRADER, BULLDOZER AND FRONT E
ND LOADER, AVERAGE DEPTH 9"
2 LOAD EARTH INTO TRUCK WITH FRONT END LOADER, AVERA
GE DEPTH 9"

WT 042 1 ROLL EARTH WITH ROLLER AFTER EXCAVATION.

WT 043 1 BASE MATERIAL, SPREAD WITH GRADER AND BULLDOZER, A
VERAGE DEPTH 9"

WT 044 1 GRADE 1000 LF X 15 FT. WIDE PASS X 2" DEEP CUT OF
DIRT ROAD USING MOTOR GRADER TRAVELING AT AVG. SPE

WT 045 1 OIL SURFACE OF BASE MATERIAL

WT 046 1 BASE MATERIAL, ROLL WITH ROLLER

WT 047 1 BASE MATERIAL, FINISH ROLL WITH ROLLER AND BROOM A
ND WATER DOWN

WT 048 1 BASE MATERIAL ROLL WITH ROLLER
2 FINISH ROLL BASE MATERIAL WITH ROLLER

WT 049 1 EXCAVATE EARTH USING GRADER, BULLDOZER AND FRONT E
ND LOADER AVERAGE DEPTH 9"
2 LOAD EARTH INTO TRUCK USING FRONT END LOADER, AVER
AGE DEPTH 9"
3 ROLL EARTH WITH ROLLER AFTER EXCAVATION
4 SPREAD BASE MATERIAL WITH GRADER AND BULLDOZER
5 GRADE BASE MATERIAL WITH GRADER AND BULLDOZER

WT 050 1 OBTAIN CROWBAR
2 RAISE LOOSE OR BUCKLING ASPHALT/EPOXY OUT OF RUNWA
Y USING CROWBAR
3 DISPOSE OF DEBRIS IN BUCKET
4 SET UP JACKHAMMER COMPRESSOR AND HOSE
5 USE COMPRESSOR TO BLOW DIRT PARTICLES OUT OF HOLE
6 REPLACE COMPRESSOR AND HOSE
7 OBTAIN GALLON CONTAINERS OF ADHESIVE, HARDENER AND
RESIN, 5 GALLON BUCKET AND POWER DRILL WITH PAINT
8 POUR 1/2 GALLON OF ADHESIVCE AND HARDENER INTO 5 G
ALLON BUCKET
9 MIX MIXTURE WITH POWER DRILL AND ATTACHMENT
10 ADD 1 GALLONE OF RESIN
11 MIX MIXTURE WITH POWER DRILL AND ATTACHMENT
12 POUR RESIN MIXTURE INTO POTHOLE
13 TROWEL RESIN MIXTURE UNTIL SMOOTH
14 REPLACE GALLON CONTAINERS OF ADHESIVE, HARDENER AN
D RESIN, 5 GALLON BUCKET AND POWER DRILL ON TRUCK

WT 051 1 OBTAIN SHOVEL, RAKE AND BROOM
2 DUMP ASPHALT FROM FRONT END LOADER INTO HOLE
3 BREAK UP LARGE CHUNKS OF ASPHALT WITH SHOVEL AND S PREAD AROUND
4 RAKE SURFACE OF ASPHALT TO FURTHER SPREAD
5 SWEEP SIDES OF HOLE, SWEEPING EXCESS ASPHALT INTO HOLE
6 ROLL ASPHALT WITH ROLLER
7 REPLACE SHOVEL, RAKE AND BROOM

WT 052 1 SPREAD BITUMINOUS 4" THICK BY HAND AND HAND TAMP.

WT 053 1 MACHINE ROLL BITUMINOUS. 1 MAN.

WT 054 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGE OF ARE A
2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU MINOUS PAVEMENT
3 LOAD DEBRIS INTO DUMP TRUCK USING FRONT END LOADER AVERAGE 4" THICKNESS
4 REMOVE EXISTING BASE MATERIAL TO DEPTH OF 3"

WT 055 1 SWEEP AREA. PER SQUARE YARD.
2 APPLY TACK COAT. PER SQUARE YARD.
3 SPREAD BITUMINOUS MIX BY HAND AND MACHINE ROLL. PE R CUBIC YARD & SQUARE YARD.

WT 056 1 INSTALL BASE MATERIAL UP TO 3" THICK AND MACHINE R OLL. PER SQUARE YARDS.
2 SWEEP AREA. PER SQUARE YARD.
3 APPLY TACK COAT. PER SQUARE YARD.
4 SPREAD AND MACHINE ROLL BITUMINOUS MIX. PER CUBIC YARD AND SQUARE YARD.

WT 057 1 INSTALL BASE MATERIAL UP TO 3" AND HAND TAMP. PER SQUARE YARD.
2 SWEEP AREA. PER SQUARE YARD.
3 APPLY TACK COAT. PER SQUARE YARD
4 SPREAD, RAKE AND HAND TAMP BITUMINOUS MIX. PER CUB IC YARD AND SQUARE YARD.

WT 058 1 TRIM AREA AROUND POTHOLE WITH PNEUMATIC HAMMER IN BOX SHAPE. PER POTHOLE.
2 REMOVE DEBRIS CREATED FROM TRIMMING AREA, BY HAND WITH SHOVEL. PER POTHOLE.
3 OBTAIN SHOVEL, RAKE AND BROOM
4 RAKE BASE MATERIAL TO SMOOTH BASE FOR REPAIR. PER POTHOLE.
5 TACK COAT AREA TO BE REPAIRED. PER POTHOLE.
6 SHOVEL BITUMINOUS MIX FROM TRUCK OR WHEELBARROW TO POTHOLE.
7 BREAK UP LARGE CHUNKS OF ASPHALT WITH SHOVEL AND S PREAD AROUND
8 RAKE SURFACE OF ASPHALT TO FURTHER SPREAD
9 SWEEP SIDES OF HOLE, SWEEPING EXCESS ASPHALT INTO HOLE. PER POTHOLE
10 ROLL ASPHALT WITH ROLLER. PER POTHOLE.
11 REPLACE SHOVEL, RAKE AND BROOM

WT 059 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
EA
2 BREAK UP BITUMINOUS USING PNEUMATIC HAMMER
3 LOAD BITUMINOUS ON DUMP TRUCK BY HAND
4 SWEEP AREA
5 APPLY TACK COAT
6 SPREAD BITUMINOUS MIX BY HAND AND MACHINE ROLL. PE
R SQUARE YARD & CUBIC YARD

WT 060 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
EA
2 BREAK UP BITUMINOUS USING GRADER AND SCARIFIER
3 LOAD BITUMINOUS DEBRIS 4" THICK INTO DUMP TRUCK US
ING FRONT END LOADER
4 SWEEP AREA
5 APPLY TACK COAT
6 SPREAD BITUMINOUS MIX BY HAND, AND MACHINE ROLL. P
ER CUBIC YARD AND SQUARE YARD.

WT 061 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
EA
2 BREAK UP BITUMINOUS USING PNEUMATIC HAMMER
3 REMOVE BROKEN PIECES OF BITUMINOUS AND LOAD ONTO T
RUCK BY HAND
4 SWEEP AREA
5 APPLY TACK COAT
6 SPREAD BITUMINOUS BY HAND AND HAND TAMP. PER JOB,
CUBIC YD, SQUARE YD.

WT 062 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGE OF ARE
A
2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU
MINOUS PAVEMENT
3 LOAD DEBRIS INTO DUMP TRUCK USING FRONT END LOADER
4 REMOVE EXISTING BASE MATERIAL TO DEPTH OF 3"
5 PLACE NEW BASE MATERIAL TO 3" DEPTH AND MACHINE RO
LL
6 SWEEP AREA
7 APPLY TACK COAT
8 SPREAD BITUMINOUS MIX BY HAND AND MACHINE ROLL PER
CUBIC YD, SQ YD

WT 063 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGES OF AR
EA
2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU
MINOUS PAVEMENT
3 REMOVE BROKEN BITUMINOUS AND LOAD ONTO TRUCK BY HA
ND
4 REMOVE EXISTING BASE MATERIAL TO DEPTH OF 3"
5 PLACE NEW BASE MATERIAL TO 3" DEPTH AND MACHINE RO
LL
6 SWEEP AREA * * ERROR NOTED 9/30/88 JLB; DESCRIPTIO
N READ "PLACE* NEW BASE MATERIAL TO 3" DEPTH AND
7 APPLY TACK COAT
8 SPREAD BITUMINOUS MIX BY HAND AND MACHINE ROLL PER
CUBIC YD, SQ YD

WT 064 1 OPERATE PNEUMATIC HAMMER TO TRIM (BOX) EDGE OF ARE A
2 OPERATE PNEUMATIC HAMMER TO BREAK UP 3" THICK BITU MINUS PAVEMENT
3 REMOVE BROKEN BITUMINOUS AND LOAD ONTO TRUCK BY HA ND
4 REMOVE EXISTING BASE MATERIAL TO DEPTH OF 3"
5 SWEEP AREA
6 PLACE NEW BASE MATERIAL TO 3" DEPTH AND HAND TAMP
7 APPLY TACK COAT
8 SPREAD BITUMINOUS BY HAND AND HAND TAMP PER CUBIC YD, SQ YD

WT 065 1 OBTAIN SHOVEL, RAKE AND BROOM
2 SHOVEL BITUMINOUS MIX FROM TRUCK OR WHEELBARROW TO POTHOLE.
3 BREAK UP LARGE CHUNKS OF ASPHALT WITH SHOVEL AND S PREAD AROUND
4 RAKE SURFACE OF ASPHALT TO FURTHER SPREAD
5 SWEEP SIDES OF HOLE, SWEEPING EXCESS ASPHALT INTO HOLE. PER POTHOLE.
6 HAND TAMP BITUMINOUS PATCH. PER POTHOLE.
7 REPLACE SHOVEL, RAKE AND BROOM

WT 066 1 SPREAD BITUMINOUS BY HAND AND HAND TAMP. PER CUBIC YARD, SQUARE YARD

WT 070 1 BREAK UP 12 IN THICK NONREINFORCED CONCRETE WITH A PNEUMATIC HAMMER MOUNTED ON A BACKHOE.

WT 071 1 BREAK UP 12 IN. THICK NONREINFORCED FIBROUS CONCRE TE WITH PNEUMATIC HAMMMER MOUNTED ON A BACKHOE

WT 072 1 LOAD RUBBLE INTO DUMP TRUCK WITH GRADE-ALL: * TAP ES DV-014D - DV-014J.

WT 075 1 PREPARE (MIX) EPOXY COMPOUND FOR POURING INTO CONC RETE JOINTS. * VIDEO TAPES DV-016, DV-017A, DV-017
2 POUR EPOXY JOINT SEALER INTO CONCRETE JOINTS. * V IDEO TAPES DV-016, DV-017A, DV-017B & HAMM # 14

WT 076 1 PREPARE (MIX) EPOXY COMPOUND FOR POURING INTO CONC RETE JOINTS. * VIDEO TAPES DV-016, DV-017A, DV-017
2 POUR EPOXY JOINT SEALER INTO HOLES, CRACKS OR CHIP S IN CONCRETE (2" - 10" DIA. 1" - 3" DEEP). * VIDE

WT 077 1 PREWATERING SURFACE DUST & DIRT OF 1000 SQFT OF PA RKING DECK BY MANUALLY USING HOSE
2 BLOWER SWEEP 1000 SQFT PREWATERED PARKING DECK WIT H 8 H.P. BLOWER SWEEPER (INCLUDES MAINTENANCE OF B
3 HAND SWEEP VARIOUS AREAS OF PARKING DECK PER 1000 SQFT (INCLUDES SWEEP STAIRS/LANDINGS/EDGES,PICKUP

WT 078 1 BLOWER SWEEP 1000 SQFT DRY PARKING DECK WITH 8 H.P
. BLOWER SWEEPER (INCLUDES MAINTENANCE OF BLOWER,
2 HAND SWEEP VARIOUS AREAS OF PARKING DECK PER 1000
SQFT (INCLUDES SWEEP STAIRS/LANDINGS/EDGES, PICKUP

WT 079 1 PLACE 4" THICK CONCRETE SLAB
2 WOOD FLOAT CONCRETE
3 EDGE CONCRETE
4 CUT CONTROL JOINTS
5 COVER CONCRETE SURFACE FOR CURING PROCESS *AVG 1 C
UT PER 100 SQ FT

WT 080 1 PLACE 6" THICK CONCRETE SLAB
2 WOOD FLOAT CONCRETE
3 EDGE CONCRETE
4 CUT CONTROL JOINTS
5 COVER CONCRETE SURFACE FOR CURING PROCESS *AVG 1 C
UT PER 100 SQ FT

WT 081 1 PLACE 8" THICK CONCRETE SLAB
2 WOOD FLOAT CONCRETE
3 EDGE CONCRETE
4 CUT CONTROL JOINTS
5 COVER CONCRETE SURFACE FOR CURING PROCESS *AVG 1 C
UT PER 100 SQ FT

WT 082 1 LAY WIRE MESH IN AREA WHERE CONCRETE WILL BE POURE
D
2 PLACE 12" THICK CONCRETE SLAB
3 WOOD FLOAT CONCRETE
4 EDGE CONCRETE
5 CUT CONTROL JOINTS
6 COVER CONCRETE SURFACE FOR CURING PROCESS *AVG 1 C
UT PER 100 SQ FT

WT 083 1 EXCAVATE AS REQUIRED WITH BACKHOE *ASSUME ABOUT 11
CU YD (3FT X4FT X24FT)
2 REPAIR LEAK
3 BACKFILL HOLE, OR TRENCH WITH BACKHOE *ASSUME ABOU
T 11 CU YD
4 REMOVE AND BACKFILL DIRT WITH SHOVEL *ASSUME ABOUT
3 CU FT.

WT 789 1 BLOWER SWEEP 1000 SQFT DRY PARKING DECK WITH 8 H.P
. BLOWER SWEEPER (INCLUDES MAINTENANCE OF BLOWER,
2 HAND SWEEP VARIOUS AREAS OF PARKING DECK PER 1000
SQFT (INCLUDES SWEEP STAIRS/LANDINGS/EDGES, PICKUP

WT 78T 1 BLOWER SWEEP 1000 SQFT DRY PARKING DECK WITH 8 H.P
. BLOWER SWEEPER (INCLUDES MAINTENANCE OF BLOWER,
2 HAND SWEEP VARIOUS AREAS OF PARKING DECK PER 1000
SQFT (INCLUDES SWEEP STAIRS/LANDINGS/EDGES, PICKUP